- 6.12.2 Except as otherwise provided, in all States that have ordered provisioning intervals but not addressed Firm Order intervals, the following shall apply. Navigator shall indicate its intent to proceed with equipment installation in a BellSouth Remote Site Location by submitting a Firm Order to BellSouth. The Bona Fide Firm Order must be received by BellSouth no later than thirty (30) calendar days after BellSouth's Application Response to Navigator's Bona Fide application or the application will expire.
- 6.12.3 BellSouth will establish a firm order date based upon the date BellSouth is in receipt of a Bona Fide Firm Order. BellSouth will acknowledge the receipt of Navigator's Bona Fide Firm Order within seven (7) calendar days of receipt indicating that the Bona Fide Firm Order has been received. A BellSouth response to a Bona Fide Firm Order will include a Firm Order Confirmation containing the firm order date. No revisions will be made to a Bona Fide Firm Order.

7. Construction and Provisioning

- 7.1 <u>Construction and Provisioning Intervals.</u>
- 7.1.1 In Alabama, Kentucky and North Carolina, BellSouth will complete construction for collocation arrangements within seventy-six (76) business days from receipt of an application or as agreed to by the Parties. Under extraordinary conditions, BellSouth will complete construction for collocation arrangements within ninety-one (91) business days. Examples of extraordinary conditions include, but are not limited to, extended license or permitting intervals; major BellSouth equipment rearrangement or addition; power plant addition or upgrade; major mechanical addition or upgrade; major upgrade for ADA compliance; environmental hazard or hazardous materials abatement; and arrangements for which equipment shipping intervals are extraordinary in length. In the event Navigator submits a forecast as described in the following paragraph three (3) months or more prior to the application date, the above intervals shall apply. In the event Navigator submits such a forecast between two (2) months and three (3) months prior to the application date, the above intervals may be extended by one (1) additional month. In the event Navigator submits such a forecast less than two (2) months prior to the application date, the above intervals may be extended by sixty (60) calendar days. BellSouth will attempt to meet standard intervals for unforecasted requests and any interval adjustments will be discussed with Navigator at the time the application is received. Raw space, which is space lacking the necessary infrastructure to provide collocation space including but not limited to HVAC, Power, etc., conversion time frames fall outside the normal intervals and are negotiated on an individual case basis. Additionally, installations to existing collocation arrangements for line sharing or line splitting, which include adding cable, adding cable and splitter, and adding a splitter, will be forty five (45) business days from receipt of an application.
- 7.1.1.1 To be considered a timely and accurate forecast, Navigator must submit to BellSouth the CLEC Forecast Form, as set forth in Exhibit B attached hereto, containing the following information: Central Office/Serving Wire Center CLLI, Remote Site CLLI,

number of Caged square feet and/or Cageless bays, number of DS0, DS1, DS3, STS-1, OC-3, OC-12, OC-48, and OC-192 frame terminations, number of fused amps and planned application date.

- In Florida, BellSouth will complete construction for collocation arrangements as soon as possible and within a maximum of ninety (90) calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. For changes to collocation space after initial space completion ("Augmentation"), BellSouth will complete construction for collocation arrangements as soon as possible and within a maximum of forty-five (45) calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. If BellSouth does not believe that construction will be completed within the relevant time frame and BellSouth and Navigator cannot agree upon a completion date, within forty-five (45) calendar days of receipt of the Bona Fide Firm Order for an initial request, and within thirty (30) calendar days for Augmentations, BellSouth may seek an extension from the Florida Commission.
- 7.1.3 In Georgia, Mississippi and South Carolina, BellSouth will complete construction for collocation arrangements under ordinary conditions as soon as possible and within a maximum of ninety (90) calendar days from receipt of a Bona Fide Firm Order or as agreed to by the Parties. The Parties may mutually agree to renegotiate an alternative provisioning interval or BellSouth may seek a waiver from this interval from the Commission.
- 7.1.4 In Louisiana, BellSouth will complete construction for collocation arrangements under ordinary conditions as soon as possible and within a maximum of ninety (90) calendar days from receipt of a Bona Fide Firm Order for an initial request, and within 60 calendar days for an Augmentation, or as agreed to by the Parties. The Parties may mutually agree to renegotiate an alternative provisioning interval or BellSouth may seek a waiver from this interval from the Commission.
- 7.1.5 In Tennessee, BellSouth will complete construction for collocation arrangements under Ordinary Conditions within a maximum of 90 calendar days from receipt of a Bona Fide Firm Order, or as agreed to by the Parties. Under extraordinary conditions, BellSouth may elect to renegotiate an alternative provisioning interval with Navigator or seek a waiver from this interval from the Commission.
- 7.2 In the event BellSouth does not have space immediately available at a Remote Site Location, BellSouth may elect to make additional space available by, for example but not limited to, rearranging BellSouth facilities or constructing additional capacity. In such cases, the above intervals shall not apply and BellSouth will provision the Remote Collocation Space in a nondiscriminatory manner and at parity with BellSouth and will provide Navigator with the estimated completion date in its Response.
- 7.3 <u>Joint Planning</u>. Joint planning between BellSouth and Navigator will commence within a maximum of twenty (20) calendar days from BellSouth's receipt of a Bona

Fide Firm Order. BellSouth will provide the preliminary design of the Collocation Space and the equipment configuration requirements as reflected in the Bona Fide application and affirmed in the Bona Fide Firm Order. The Collocation Space completion time period will be provided to Navigator during joint planning.

- 7.4 Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents within ten (10) calendar days of the completion of finalized construction designs and specifications.
- 7.5 Acceptance Walk Through. Navigator will schedule and complete an acceptance walkthrough of each Collocation Space with BellSouth within fifteen (15) calendar days of BellSouth's notifying Navigator that the collocation space is ready for occupancy ("Space Ready Date"). In the event that Navigator fails to complete an acceptance walkthrough within this fifteen (15) day interval, the Collocation Space shall be deemed accepted by Navigator. BellSouth will correct any deviations to Navigator's original or jointly amended requirements within seven (7) calendar days after the walkthrough, unless the Parties jointly agree upon a different time frame.
- 7.6 Use of BellSouth Certified Supplier. Navigator shall select a supplier which has been approved by BellSouth to perform all engineering and installation workNavigator and Navigator's BellSouth Certified Supplier must follow and comply with all BellSouth requirements outlined in BellSouth's TR 73503, TR 73519, TR 73572, and TR 73564. In some cases, Navigator must select separate BellSouth Certified Suppliers for transmission equipment, switching equipment and power equipment. BellSouth shall provide Navigator with a list of BellSouth Certified Suppliers upon request. The BellSouth Certified Supplier(s) shall be responsible for installing Navigator's equipment and components, extending power cabling to the BellSouth power distribution frame, performing operational tests after installation is complete, and notifying BellSouth's Outside Plant engineers and Navigator upon successful completion of installation. The BellSouth Certified Supplier shall bill Navigator directly for all work performed for Navigator pursuant to this Attachment, and BellSouth shall have no liability for nor responsibility to pay such charges imposed by the BellSouth Certified Supplier. BellSouth shall consider certifying Navigator or any supplier proposed by Navigator. All work performed by or for Navigator shall conform to generally accepted industry guidelines and standards.
- Alarm and Monitoring. BellSouth may place alarms in the Remote Site Location for the protection of BellSouth equipment and facilities. Navigator shall be responsible for placement, monitoring and removal of environmental and equipment alarms used to service Navigator's Remote Collocation Space. Upon request, BellSouth will provide Navigator with applicable tariffed service(s) to facilitate remote monitoring of collocated equipment by Navigator. Both Parties shall use best efforts to notify the other of any verified hazardous conditions known to that Party.

- 7.8 Virtual Remote Site Collocation Relocation. In the event physical Remote Collocation Space was previously denied at a Remote Site Location due to technical reasons or space limitations, and physical Remote Collocation Space has subsequently become available, Navigator may relocate its virtual Remote Site collocation arrangements to physical Remote Site collocation arrangements and pay the appropriate fees for physical Remote Site collocation and for the rearrangement or reconfiguration of services terminated in the virtual Remote Site collocation arrangement, as outlined in the appropriate BellSouth tariffs. In the event that BellSouth knows when additional space for physical Remote Site collocation may become available at the location requested by Navigator, such information will be provided to Navigator in BellSouth's written denial of physical Remote Site collocation. To the extent that (i) physical Remote Collocation Space becomes available to Navigator within one hundred eighty 180 calendar days of BellSouth's written denial of Navigator's request for physical collocation, (ii) BellSouth had knowledge that the space was going to become available, and (iii) Navigator was not informed in the written denial that physical Remote Collocation Space would become available within such one hundred eighty 180 calendar days, then Navigator may relocate its virtual Remote Site collocation arrangement to a physical Remote Site collocation arrangement and will receive a credit for any nonrecurring charges previously paid for such virtual Remote Site collocation. Navigator must arrange with a BellSouth Certified Supplier for the relocation of equipment from its virtual Remote Collocation Space to its physical Remote Collocation Space and will bear the cost of such relocation.
- Virtual to Physical Conversion (In Place). Virtual collocation arrangements may be converted to "in-place" physical arrangements if the potential conversion meets the following four criteria: 1) there is no change in the amount of equipment or the configuration of the equipment that was in the virtual collocation arrangement; 2) the conversion of the virtual collocation arrangement will not cause the equipment or the results of that conversion to be located in a space that BellSouth has reserved for its own future needs; 3) the converted arrangement does not limit BellSouth's ability to secure its own equipment and facilities due to the location of the virtual collocation arrangement; and 4) any changes to the arrangement can be accommodated by existing power, HVAC, and other requirements. The application fee for the conversion from virtual to in-place, physical collocation is as set forth in Exhibit C. Unless otherwise specified, BellSouth will complete virtual to in-place physical collocation conversions within sixty (60) calendar days.
- 7.9.1 In Florida, for Virtual to Physical conversions in place that require no physical changes, the only applicable charges shall cover the administrative billing and engineering records updates.
- 7.9.2 In Tennessee, BellSouth will complete Virtual to Physical conversions in place within thirty (30) calendar days.

- Cancellation. If, at any time prior to space acceptance, Navigator cancels its order for the Remote Collocation Space(s) ("Cancellation"), BellSouth will bill the applicable non-recurring rate for any and all work processes for which work has begun. In Georgia, if Navigator cancels its order for Remote Collocation Space at any time prior to space acceptance, BellSouth will bill Navigator for all costs incurred prior to the date of Cancellation and for any costs incurred as a direct result of the Cancellation, not to exceed the total amount that would have been due had the order not been cancelled.
- 7.11 <u>Licenses</u>. Navigator, at its own expense, will be solely responsible for obtaining from governmental authorities, and any other appropriate agency, entity, or person, all rights, privileges, and licenses necessary or required to operate as a provider of telecommunications services to the public or to occupy the Remote Collocation Space.
- 7.12 Environmental Hazard Guidelines. The Parties agree to utilize and adhere to the Environmental Hazard Guidelines identified in Exhibit A attached hereto.

8. Rates and Charges

- 8.1 BellSouth shall assess an Application Fee via a service order, which shall be issued at the time BellSouth responds that space is available pursuant to Section 2. Payment of said Application Fee will be due as dictated by Navigator's current billing cycle and is non-refundable.
- 8.1.1 In Tennessee the applicable Application Fee is the Planning Fee for both Initial Applications and Subsequent Applications placed by Navigator.

8.2 Space Preparation

- 8.2.1 Recurring Charges. Recurring charges begin on the date that Navigator executes the written document accepting the Remote Collocation Space pursuant to Section 7, or on the Space Ready Date, whichever is first. If Navigator fails to schedule and complete a walkthrough within fifteen (15) calendar days after BellSouth releases the space for occupancy, then BellSouth shall begin billing Navigator for recurring charges as of the sixteenth day after the Space Ready Date.
- 8.2.2 Rack/Bay Space. The rack/bay space charge includes reasonable charges for air conditioning, ventilation and other allocated expenses associated with maintenance of the Remote Site Location, and includes amperage necessary to power Navigator's equipment. Navigator shall pay rack/bay space charges based upon the number of racks/bays requested. BellSouth will assign Remote Collocation Space in conventional remote site rack/bay lineups where feasible.
- 8.2 <u>Power.</u> BellSouth shall make available —48 Volt (-48V) DC power for Navigator's Remote Collocation Space at a BellSouth Power Board or BellSouth Battery Distribution Fuse Bay (BDFB) at Navigator's option within the Remote Site Location.

The charge for power shall be assessed as part of the recurring charge for rack/bay space. If the power requirements for Navigator's equipment exceeds the capacity available, then such power requirements shall be assessed on an individual case basis.

- Adjacent Collocation Power. Charges for AC power will be assessed per breaker ampere per month. Rates include the provision of commercial and standby AC power, where available. When obtaining power from a BellSouth service panel, protection devices and power cables must be engineered (sized), and installed by Navigator's BellSouth Certified Supplier except that BellSouth shall engineer and install protection devices and power cables for Adjacent Collocation. Navigator's BellSouth Certified Supplier must also provide a copy of the engineering power specification prior to the equipment becoming operational. Charges for AC power shall be assessed pursuant to the rates specified in Exhibit C. AC power voltage and phase ratings shall be determined on a per location basis. At Navigator's option, Navigator may arrange for AC power in an Adjacent Collocation arrangement from a retail provider of electrical power.
- 8.3 <u>Security Escort.</u> A security escort will be required whenever Navigator or its approved agent desires access to the Remote Site Location after the one accompanied site visit allowed pursuant to Section 5 prior to completing BellSouth's Security Training requirements. Rates for a security escort are assessed according to the schedule appended hereto as Exhibit C beginning with the scheduled escort time. BellSouth will wait for one-half (1/2) hour after the scheduled time for such an escort and Navigator shall pay for such half-hour charges in the event Navigator fails to show up.
- 8.4 Other. If no rate is identified in the contract, the rate for the specific service or function will be negotiated by the Parties upon request by either Party.

9. Insurance

- 9.1 Navigator shall, at its sole cost and expense, procure, maintain, and keep in force insurance as specified in this Section and underwritten by insurance companies licensed to do business in the states applicable under this Attachment and having a Best's Insurance Rating of A-.
- 9.2 Navigator shall maintain the following specific coverage:
- 9.2.1 Commercial General Liability coverage in the amount of ten million dollars (\$10,000,000.00) or a combination of Commercial General Liability and Excess/Umbrella coverage totaling not less than ten million dollars (\$10,000,000.00). BellSouth shall be named as an Additional Insured on the Commercial General Liability policy as specified herein.
- 9.2.2 Statutory Workers Compensation coverage and Employers Liability coverage in the amount of one hundred thousand dollars (\$100,000.00) each accident, one hundred

- thousand dollars (\$100,000.00) each employee by disease, and five hundred thousand dollars (\$500,000.00) policy limit by disease.
- 9.2.3 All Risk Property coverage on a full replacement cost basis insuring all of Navigator's real and personal property situated on or within BellSouth's Remote Site Location.
- 9.2.4 Navigator may elect to purchase business interruption and contingent business interruption insurance, having been advised that BellSouth assumes no liability for loss of profit or revenues should an interruption of service occur.
- 9.3 The limits set forth in Section 9.2 above may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) calendar days notice to Navigator to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.
- All policies purchased by Navigator shall be deemed to be primary and not contributing to or in excess of any similar coverage purchased by BellSouth. All insurance must be in effect on or before the date equipment is delivered to BellSouth's Remote Site Location and shall remain in effect for the term of this Attachment or until all Navigator's property has been removed from BellSouth's Remote Site Location, whichever period is longer. If Navigator fails to maintain required coverage, BellSouth may pay the premiums thereon and seek reimbursement of same from Navigator.
- 9.5 Navigator shall submit certificates of insurance reflecting the coverage required pursuant to this Section a minimum of ten (10) business days prior to the commencement of any work in the Remote Collocation Space. Failure to meet this interval may result in construction and equipment installation delays. Navigator shall arrange for BellSouth to receive thirty (30) business days' advance notice of cancellation from Navigator's insurance company. Navigator shall forward a certificate of insurance and notice of cancellation/non-renewal to BellSouth at the following address:

BellSouth Telecommunications, Inc. Attn.: Risk Management Coordinator 17H53 BellSouth Center 675 W. Peachtree Street Atlanta, Georgia 30375

- 9.6 Navigator must conform to recommendations made by BellSouth's fire insurance company to the extent BellSouth has agreed to, or shall hereafter agree to, such recommendations.
- 9.7 <u>Self-Insurance</u>. If Navigator's net worth exceeds five hundred million dollars (\$500,000,000), Navigator may elect to request self-insurance status in lieu of

obtaining any of the insurance required in Sections 9.2.1 and 9.2.2. Navigator shall provide audited financial statements to BellSouth thirty (30) calendar days prior to the commencement of any work in the Remote Collocation Space. BellSouth shall then review such audited financial statements and respond in writing to Navigator in the event that self-insurance status is not granted to Navigator. If BellSouth approves Navigator for self-insurance, Navigator shall annually furnish to BellSouth, and keep current, evidence of such net worth that is attested to by one of Navigator's corporate officers. The ability to self-insure shall continue so long as Navigator meets all of the requirements of this Section. If the Navigator subsequently no longer satisfies this Section, Navigator is required to purchase insurance as indicated by Sections 9.2.1 and Section 9.2.2.

- 9.8 The net worth requirements set forth in Section 9.7 may be increased by BellSouth from time to time during the term of this Attachment upon thirty (30) calendar days' notice to Navigator to at least such minimum limits as shall then be customary with respect to comparable occupancy of BellSouth structures.
- 9.9 Failure to comply with the provisions of this Section will be deemed a material breach of this Attachment.

10. Mechanics Liens

10.1 If any mechanics lien or other liens shall be filed against property of either Party (BellSouth or Navigator), or any improvement thereon by reason of or arising out of any labor or materials furnished or alleged to have been furnished or to be furnished to or for the other Party or by reason of any changes, or additions to said property made at the request or under the direction of the other Party, the other Party directing or requesting those changes shall, within thirty (30) business days after receipt of written notice from the Party against whose property said lien has been filed, either pay such lien or cause the same to be bonded off the affected property in the manner provided by law. The Party causing said lien to be placed against the property of the other shall also defend, at its sole cost and expense, on behalf of the other, any action, suit or proceeding which may be brought for the enforcement of such liens and shall pay any damage and discharge any judgment entered thereon.

11. <u>Inspections</u>

11.1 BellSouth may conduct an inspection of Navigator's equipment and facilities in the Remote Collocation Space(s) prior to the activation of facilities between Navigator's equipment and equipment of BellSouth. BellSouth may conduct an inspection if Navigator adds equipment and may otherwise conduct routine inspections at reasonable intervals mutually agreed upon by the Parties. BellSouth shall provide Navigator with a minimum of forty-eight (48) hours or two (2) business days, whichever is greater, advance notice of all such inspections. All costs of such inspection shall be borne by BellSouth.

12. Security and Safety Requirements

- Unless otherwise specified, Navigator will be required, at its own expense, to conduct a statewide investigation of criminal history records for each Navigator employee hired in the past five years being considered for work on the BellSouth Remote Site Location, for the states/counties where the Navigator employee has worked and lived for the past five years. Where state law does not permit statewide collection or reporting, an investigation of the applicable counties is acceptable. Navigator shall not be required to perform this investigation if an affiliated company of Navigator has performed an investigation of the Navigator employee seeking access, if such investigation meets the criteria set forth above. This requirement will not apply if Navigator has performed a pre-employment statewide investigation of criminal history records of the Navigator employee for the states/counties where the Navigator employee has worked and lived for the past five years or, where state law does not permit a statewide investigation, an investigation of the applicable counties.
- Navigator will be required to administer to their personnel assigned to the BellSouth Premises security training either provided by BellSouth, or meeting criteria defined by BellSouth.
- Navigator shall provide its employees and agents with picture identification, which must be worn, and visible at all times while in the Remote Collocation Space or other areas in or around the Remote Site Location. The photo Identification card shall bear, at a minimum, the employee's name and photo, and Navigator's name. BellSouth reserves the right to remove from its Remote Site Location any employee of Navigator not possessing identification issued by Navigator or who have violated any of BellSouth's policies as outlined in the CLEC Security Training documents. Navigator shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth Remote Site Location. Navigator shall be solely responsible for ensuring that any Guest of Navigator is in compliance with all subsections of this Section 12.
- Navigator shall not assign to the BellSouth Remote Site Location any personnel with records of felony criminal convictions. Navigator shall not assign to the BellSouth Remote Site Location any personnel with records of misdemeanor convictions, except for misdemeanor traffic violations, without advising BellSouth of the nature and gravity of the offense(s). BellSouth reserves the right to refuse access to any Navigator personnel who have been identified to have misdemeanor criminal convictions. Notwithstanding the foregoing, in the event that Navigator chooses not to advise BellSouth of the nature and gravity of any misdemeanor conviction, Navigator may, in the alternative, certify to BellSouth that it shall not assign to the BellSouth Remote Site Location any personnel with records of misdemeanor convictions (other than misdemeanor traffic violations).

- 12.4.1 Navigator shall not knowingly assign to the BellSouth Remote Site Location any individual who was a former employee of BellSouth and whose employment with BellSouth was terminated for a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.
- 12.4.2 Navigator shall not knowingly assign to the BellSouth Remote Site Location any individual who was a former contractor of BellSouth and whose access to a BellSouth Remote Site Location was revoked due to commission of a criminal offense whether or not BellSouth sought prosecution of the individual for the criminal offense.
- For each Navigator employee or agent hired by Navigator within five years of being considered for work on the BellSouth Remote Site Location, who requires access to a BellSouth Remote Site Location pursuant to this Attachment, Navigator shall furnish BellSouth, prior to an employee gaining such access, a certification that the aforementioned background check and security training were completed. The certification will contain a statement that no felony convictions were found and certifying that the security training was completed by the employee. If the employee's criminal history includes misdemeanor convictions, Navigator will disclose the nature of the convictions to BellSouth at that time. In the alternative, Navigator may certify to BellSouth that it shall not assign to the BellSouth Remote Site Location any personnel with records of misdemeanor convictions other than misdemeanor traffic violations.
- 12.5.1 For all other Navigator employees requiring access to a BellSouth Remote Site Location pursuant to this Attachment, Navigator shall furnish BellSouth, prior to an employee gaining such access, a certification that the employee is not subject to the requirements of Section 12.5 above and that security training was completed by the employee.
- At BellSouth's request, Navigator shall promptly remove from BellSouth's Remote Site Location any employee of Navigator BellSouth does not wish to grant access to its Remote Site Location 1) pursuant to any investigation conducted by BellSouth or 2) prior to the initiation of an investigation if an employee of Navigator is found interfering with the property or personnel of BellSouth or another CLEC, provided that an investigation shall promptly be commenced by BellSouth.
- Notification to BellSouth. BellSouth reserves the right to interview Navigator's employees, agents, or contractors in the event of wrongdoing in or around BellSouth's property or involving BellSouth's or another CLEC's property or personnel, provided that BellSouth shall provide reasonable notice to Navigator's Security contact of such interview. Navigator and its contractors shall reasonably cooperate with BellSouth's investigation into allegations of wrongdoing or criminal conduct committed by, witnessed by, or involving Navigator's employees, agents, or contractors. Additionally, BellSouth reserves the right to bill Navigator for all reasonable costs associated with investigations involving its employees, agents, or contractors if it is

established and mutually agreed in good faith that Navigator's employees, agents, or contractors are responsible for the alleged act. BellSouth shall bill Navigator for BellSouth property, which is stolen or damaged where an investigation determines the culpability of Navigator's employees, agents, or contractors and where Navigator agrees, in good faith, with the results of such investigation. Navigator shall notify BellSouth in writing immediately in the event that the Navigator discovers one of its employees already working on the BellSouth Remote Site Location is a possible security risk. Upon request of the other Party, the Party who is the employer shall discipline consistent with its employment practices, up to and including removal from BellSouth's Remote Site Location, any employee found to have violated the security and safety requirements of this section. Navigator shall hold BellSouth harmless for any damages resulting from such removal of its personnel from BellSouth's Remote Site Location.

- 12.8 <u>Use of Supplies</u>. Unauthorized use of telecommunications equipment or supplies by either Party, whether or not used routinely to provide telephone service (e.g. plug-in cards,) will be strictly prohibited and handled appropriately. Costs associated with such unauthorized use may be charged to the offending Party, as may be all associated investigative costs.
- 12.9 <u>Use of Official Lines</u>. Except for non-toll calls necessary in the performance of their work, neither Party shall use the telephones of the other Party on the BellSouth Remote Site Location. Charges for unauthorized telephone calls may be charged to the offending Party, as may be all associated investigative costs.
- 12.10 <u>Accountability</u>. Full compliance with the Security requirements of this Section shall in no way limit the accountability of either Party to the other for the improper actions of its employees.

13. Destruction of Remote Collocation Space

In the event a Remote Collocation Space is wholly or partially damaged by fire, windstorm, tornado, flood or by similar causes to such an extent as to be rendered wholly unsuitable for Navigator's permitted use hereunder, then either Party may elect within ten (10) business days after such damage, to terminate this Attachment with respect to the affected Remote Collocation Space, and if either Party shall so elect, by giving the other written notice of termination, both Parties shall stand released of and from further liability under the terms hereof with respect to such Remote Collocation Space. If the Remote Collocation Space shall suffer only minor damage and shall not be rendered wholly unsuitable for Navigator's permitted use, or is damaged and the option to terminate is not exercised by either Party, BellSouth covenants and agrees to proceed promptly without expense to Navigator, except for improvements not the property of BellSouth, to repair the damage. BellSouth shall have a reasonable time within which to rebuild or make any repairs, and such rebuilding and repairing shall be subject to delays caused by storms, shortages of labor and materials, government

regulations, strikes, walkouts, and causes beyond the control of BellSouth, which causes shall not be construed as limiting factors, but as exemplary only. Navigator may, at its own expense, accelerate the rebuild of its Remote Collocation Space and equipment provided however that a BellSouth Certified Contractor is used and the necessary space preparation has been completed. Rebuild of equipment must be performed by a BellSouth Certified Vendor. If Navigator's acceleration of the project increases the cost of the project, then those additional charges will be incurred by Navigator. Where allowed and where practical, Navigator may erect a temporary facility while BellSouth rebuilds or makes repairs. In all cases where the Remote Collocation Space shall be rebuilt or repaired. Navigator shall be entitled to an equitable abatement of rent and other charges, depending upon the unsuitability of the Remote Collocation Space for Navigator's permitted use, until such Remote Collocation Space is fully repaired and restored and Navigator's equipment installed therein (but in no event later than thirty (30) business days after the Remote Collocation Space is fully repaired and restored). Where Navigator has placed a Remote Site Adjacent Arrangement pursuant to Section 3, Navigator shall have the sole responsibility to repair or replace said Remote Site Adjacent Arrangement provided herein. Pursuant to this Section, BellSouth will restore the associated services to the Remote Site Adjacent Arrangement.

14. <u>Eminent Domain</u>

14.1 If the whole of a Remote Collocation Space or Remote Site Adjacent Arrangement shall be taken by any public authority under the power of eminent domain, then this Attachment shall terminate with respect to such Remote Collocation Space or Remote Site Adjacent Arrangement as of the day possession shall be taken by such public authority and rent and other charges for the Remote Collocation Space or Remote Site Adjacent Arrangement shall be paid up to that day with proportionate refund by BellSouth of such rent and charges as may have been paid in advance for a period subsequent to the date of the taking. If any part of the Remote Collocation Space or Remote Site Adjacent Arrangement shall be taken under eminent domain, BellSouth and Navigator shall each have the right to terminate this Attachment with respect to such Remote Collocation Space or Remote Site Adjacent Arrangement and declare the same null and void, by written notice of such intention to the other Party within ten (10) business days after such taking.

15. Nonexclusivity

Navigator understands that this Attachment is not exclusive and that BellSouth may enter into similar agreements with other Parties. Assignment of space pursuant to all such agreements shall be determined by space availability and made on a first come, first served basis.

ENVIRONMENTAL AND SAFETY PRINCIPLES

The following principles provide basic guidance on environmental and safety issues when applying for and establishing Physical Collocation arrangements.

1. GENERAL PRINCIPLES

- Compliance with Applicable Law. BellSouth and Navigator agree to comply with applicable federal, state, and local environmental and safety laws and regulations including U.S. Environmental Protection Agency (USEPA) regulations issued under the Clean Air Act (CAA), Clean Water Act (CWA), Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Superfund Amendments and Reauthorization Act (SARA), the Toxic Substances Control Act (TSCA), and OSHA regulations issued under the Occupational Safety and Health Act of 1970, as amended and NFPA and National Electrical Codes (NEC) and the NESC ("Applicable Laws"). Each Party shall notify the other if compliance inspections are conducted by regulatory agencies and/or citations are issued that relate to any aspect of this Attachment.
- Notice. BellSouth and Navigator shall provide notice to the other, including Material Safety Data Sheets (MSDSs), of known and recognized physical hazards or Hazardous Chemicals existing on site or brought on site. Each Party is required to provide specific notice for known potential Imminent Danger conditions. Navigator should contact 1-800-743-6737 for BellSouth MSDS sheets.
- Practices/Procedures. BellSouth may make available additional environmental control procedures for Navigator to follow when working at a BellSouth Remote Site Location (See Section 2, below). These practices/procedures will represent the regular work practices required to be followed by the employees and contractors of BellSouth for environmental protection. Navigator will require its contractors, agents and others accessing the BellSouth Remote Site Location to comply with these practices. Section 2 lists the Environmental categories where BST practices should be followed by Navigator when operating in the BellSouth Remote Site Location.
- 1.4 Environmental and Safety Inspections. BellSouth reserves the right to inspect the Navigator space with proper notification. BellSouth reserves the right to stop any Navigator work operation that imposes Imminent Danger to the environment, employees or other persons in the area or Facility.
- 1.5 <u>Hazardous Materials Brought On Site</u>. Any hazardous materials brought into, used, stored or abandoned at the BellSouth Remote Site Location by Navigator are owned by Navigator. Navigator will indemnify BellSouth for claims, lawsuits or damages to persons or property caused by these materials. Without prior written BellSouth approval, no substantial new safety or environmental hazards can be created by Navigator or different hazardous materials used by Navigator at BellSouth Facility.

Version 1Q02: 02-20-02

Navigator must demonstrate adequate emergency response capabilities for its materials used or remaining at the BellSouth Facility.

- 1.6 <u>Spills and Releases</u>. When contamination is discovered at a BellSouth Remote Site Location, the Party discovering the condition must notify BellSouth. All Spills or Releases of regulated materials will immediately be reported by Navigator to BellSouth.
- Coordinated Environmental Plans and Permits. BellSouth and Navigator will coordinate plans, permits or information required to be submitted to government agencies, such as emergency response plans, spill prevention control and countermeasures (SPCC) plans and community reporting. If fees are associated with filing, BellSouth and Navigator will develop a cost sharing procedure. If BellSouth's permit or EPA identification number must be used, Navigator must comply with all of BellSouth's permit conditions and environmental processes, including environmental "best management practices (BMP)" (see Section 2, below) and/or selection of BST disposition vendors and disposal sites.
- Environmental and Safety Indemnification. BellSouth and Navigator shall indemnify, defend and hold harmless the other Party from and against any claims (including, without limitation, third-party claims for personal injury or death or real or personal property damage), judgments, damages, (including direct and indirect damages, and punitive damages), penalties, fines, forfeitures, costs, liabilities, interest and losses arising in connection with the violation or alleged violation of any Applicable Law or contractual obligation or the presence or alleged presence of contamination arising out of the acts or omissions of the indemnifying Party, its agents, contractors, or employees concerning its operations at the Facility.

2. CATEGORIES FOR CONSIDERATION OF ENVIRONMENTAL ISSUES

When performing functions that fall under the following Environmental categories on BellSouth's Remote Site Location, Navigator agrees to comply with the applicable sections of the current issue of BellSouth's Environmental and Safety Methods and Procedures (M&Ps), incorporated herein by this reference. Navigator further agrees to cooperate with BellSouth to ensure that Navigator's employees, agents, and/or subcontractors are knowledgeable of and satisfy those provisions of BellSouth's Environmental M&Ps which apply to the specific Environmental function being performed by Navigator, its employees, agents and/or subcontractors.

The most current version of reference documentation must be requested from BellSouth.

ENVIRONMENTAL CATEGORIES	ENVIRONMENTAL ISSUES	ADDRESSED BY THE FOLLOWING DOCUMENTATION
Disposal of hazardous material or other regulated material (e.g., batteries, fluorescent	Compliance with all applicable local, state, & federal laws and regulations	 Std T&C 450 Fact Sheet Series 17000
tubes, solvents & cleaning materials)	Pollution liability insurance	• Std T&C 660-3
	EVET approval of contractor	Approved Environmental Vendor List (Contact E/S Management)
Emergency response	Hazmat/waste release/spill firesafety emergency	Fact Sheet Series 1700 Building Emergency Operations Plan (EOP) (specific to and located on Remote Site Location)
Contract labor/outsourcing for services with environmental implications to be performed	Compliance with all applicable local, state, & federal laws and regulations	• Std T&C 450
on BellSouth Remote Site Location (e.g., disposition of hazardous material/waste; maintenance of	Performance of services in accordance with BST's environmental M&Ps	 Std T&C 450-B (Contact E/S for copy of appropriate E/S M&Ps.)
storage tanks)	Insurance	• Std T&C 660
Transportation of hazardous material	Compliance with all applicable local, state, & federal laws and regulations	Std T&C 450 Fact Sheet Series 17000
	Pollution liability insurance	• Std T&C 660-3
	EVET approval of contractor	Approved Environmental Vendor List (Contact E/S Management)
Maintenance/operations work which may produce a waste	Compliance with all application local, state, & federal laws and regulations	• Std T&C 450
Other maintenance work	Protection of BST employees and equipment	 29CFR 1910.147 (OSHA Standard) 29CFR 1910 Subpart O (OSHA Standard)
Janitorial services	All waste removal and disposal	P&SM Manager -

Version 1Q02: 02-20-02

		Page 34
	must conform to all applicable federal, state and local regulations	Procurement
	All Hazardous Material and Waste	Fact Sheet Series 17000
	Asbestos notification and protection of employees and equipment	 GU-BTEN-001BT, Chapter 3 BSP 010-170-001BS (Hazcom)
Manhole cleaning	Compliance with all applicable local, state, & federal laws and regulations	 Std T&C 450 Fact Sheet 14050 BSP 620-145-011PR Issue A, August 1996
	Pollution liability insurance	• Std T&C 660-3
	EVET approval of contractor	Approved Environmental Vendor List (Contact E/S Management)
Removing or disturbing building materials that may contain asbestos	Asbestos work practices	GU-BTEN-001BT, Chapter 3 For questions regarding removing or disturbing materials that contain asbestos, call the BellSouth Building Service Center: AL, MS, TN, KY & LA (local area code) 557-6194 FL, GA, NC & SC (local area code) 780-2740

3. **DEFINITIONS**

Generator. Under RCRA, the person whose act produces a Hazardous Waste, as defined in 40 CFR 261, or whose act first causes a Hazardous Waste to become subject to regulation. The Generator is legally responsible for the proper management and disposal of Hazardous Wastes in accordance with regulations.

Hazardous Chemical. As defined in the U.S. Occupational Safety and Health (OSHA) hazard communication standard (29 CFR 1910.1200), any chemical which is a health hazard or physical hazard.

Hazardous Waste. As defined in section 1004 of RCRA.

<u>Imminent Danger</u>. Any conditions or practices at a facility which are such that a danger exists which could reasonably be expected to cause immediate death or serious harm to people or Version 1Q02: 02-20-02

immediate significant damage to the environment or natural resources.

Spill or Release. As defined in Section 101 of CERCLA.

4. ACRONYMS

E/S - Environmental/Safety

EVET - Environmental Vendor Evaluation Team

<u>DEC/LDEC</u> - Department Environmental Coordinator/Local Department Environmental Coordinator

<u>GU-BTEN-001BT</u> - BellSouth Environmental Methods and Procedures

NESC - National Electrical Safety Codes

<u>P&SM</u> - Property & Services Management

Std. T&C - Standard Terms & Conditions

THREE-MONTH CLEC FORECAST

CLEC NAME	ATE.			DATE	an.		

Notes: Forecast information will be used for no other purpose than collocation planning.

570 of 804

			1										1	100		
			-							-				Allacaisment: 4		Exhibit: D
	A THE TAXABLE TO SERVICE SERVI	Inter											Incremental Incremental		Incremental	Increments
CATEGORY	AA K CLEMEN S		Sone Sone	S 0	nsoc			RATES (S)		<u>6 8</u>	8 4	L 71			Manual Svc Order vs.	Manual Svc Order vs.
			\dagger							٩	Per LSR R	Manually per LSR	Electronic- 1st	Electronic-	Electronic- Disc 1st	Electronic- Disc Add'i
			1			2	Nonrecurring	ulng	Nonrecurring Discor	100			70 000			
		\downarrow	\dagger			1	First	Add'i	First Add'I	\mathbf{T}	SOMEC	SOMAN	SOMAN SOMAN	SOUTAN	SOMAN	COMPAN
PHYSICAL COLLOCATION	LOCATION					†	1	1		+						
	Physical Collocation - Application Fee - Initial		٦	CLO	PE1BA		3,760.00	3760.00		$\frac{1}{1}$	1	7				
	Physical Collocation - Space Precession - Firm Colo-		7	9	PE1CA		3,134.00	3,134.00		1	\dagger	+		1		
	Processing	-	_0	GO	0510		20,770	-		_	<u> </u>	T	1			
	Physical Collocation - Space Preparation - C.O. Modification per		-		2017		1,211.00	1,211.00		+	+					
	Square ft. Physical Collocation - Space Beneration - Space B	-	3	GD	PE1SK	2.24										
	Modification per square ft Cageless	_	_ 2	0	DE1C:	0				-	\dagger	T		1		
	Physical Collocation - Space Preparation - Common Systems	\dagger	1		101	3.01	1	1			1	1				
	Modification per Cage Physical Collocation - Cable hetaltation	1	7		PETSM	102.16										
	Physical Collocation - Floor Space per So. Ft.	\dagger	5 0		PE180		1,751.00	1,751.00				\dagger	-			
	Physical Collocation - Cable Support Structure	\dagger	10	000	PEIP	3.68	1	1			H	\parallel				
	Physical Collocation - Power -48V DC Power, per Fused Amp	-	ಶ		PEIPL	7.14	1			+	+					
	Physical Collocation - Power Reduction, Application Fee	-	히		PEIPR	399.51				+	+	1	1			
	Physical Collocation - 120V, Single Phase Standby Power Pate	-	20		PETER	2				H			\mid	1	T	
	Physical Colonation - 240V Simila Bhasa Standby Barren Colon	-	-			3			1	+	1	\dagger	1			
	Trace Conceand: - 2404, Single Fridse Standby Fower Hare	1	읭		PETFO	11.26										
	Physical Collocation - 120V, Three Phase Standby Power Rate		G G		PETFE	16.89					_	-				
1	Physical Collocation - 277V, Three Phase Standby Power Bate		2		פנייני	-				+	+	\dagger	1	T		
	Physical Collocation - 2-Wire Cross-Connects	+	33		200	96.36	33 69	200			1					
	Physical Collocation - 4-Wire Cross-Connects		d	CLO	PE1P4	0.062	33.63	31.67		$\frac{1}{1}$	1	1				
	Physical Collocation - DS3 Cross-Connects	1	ಠ	CLO, UEANL, UEO, WD	PE1P1	1.28	52.93	39.87		F	+	\dagger	1	1	1	
-	Physical Collocation - 2-Fiber Cross-Connect	+	3 0		F1P3	16.27	51.99	38.59		H					T	
	Physical Collocation - 4-Fiber Cross-Connect		13		EIF	5.73	88.8	38.60		+		H				
	Physical Collocation - Welded Wire Cage - First 100 Sq. Pt.		8		E1BW	178.65	5	1		+	+	+				
Ī	Physical Collocation - Security Access System - Security System	1	링		Æ1CW	17.52					$\frac{1}{1}$	+	+	+		
	per Central Office		CLO		PE1AX	54.14										
	Physical Collocation - Security Access System - New Access Card Activation, per Card		2		;					+	\dagger	\dagger	1		1	
-	Physical Collocation-Security Access System-Administrative	-	3		IVIE I	0.000/	46.20	46.20	8.72	8.72	1	+				
#	Physical Collocation - Security Access System - Replace Lost or	\dagger	8		PE1AA		15.40	15.40					-			
×2 6	Stolen Card, per Card		g		PE1AR		85.02	45.00				-				
1	hysical Collocation - Security Access - Inflat Ney, per Key Physical Collocation - Security Access - Key, Replace Lost or	+			PE1AK		26.19	26.19			+	+	+			
SIG	Stolen Key, per Key		a a		EIAL		26.19	26.19				-				
	Of Bay Amandaments with the Alico 2 Min.	+	읭		PEISR		2,150.00	2,150.00		1	1	+			1	
	er cross-connect		<u>S</u>	UEANL, UEA, UDN, UDP	HPE FI	800									1	
	POT Bay Arrangements prior to 6/1/99 - 4-Wire Cross-Connect, Der cross-connect		1							1	+	+		-	+	T
	POT Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect,	+	3	DEANE, DEA, DUN, DUP	4	0.17	+	1		+	1	1				
00	Por cross-connect Por Americanonic priority 614 (no. 1909 C. 1	1	9	UEANL, UEA, UDN, UDP	E1PG	0.69					 ,				_	
- 4	er cross-connect	-	Ë	UEANL UEA UDN UDP	H. G.	72.7					\vdash	\vdash	l		7	T
<u> </u>	POT Bay Arrangements prior to 6/1/99 - 2-Fiber Cross-Connect,		1	1						+	+	+	1		1	
<u>a</u>	POT Bay Arrangements prior to 6/1/99 - 4-Fiber Cross-Connect,	+	3	OEMIC, OEA, OLM, OLF	3	23.		$\frac{1}{1}$		+	+	1				
00	Der cross-connect Collocation Cable Records - per request	+		UEANL UEA UDN, UDP	E184	40.48										
		1	4	7	Elca I	1	1,518.57	-	265.99	H	$ \cdot $	$ \cdot $	-		-	I

COLLOCATION - Alabama

COLLOCAT	COLLOCATION - Alabama											At	Attachment: 4		Exhibit: D
CATEGORY	RATE ELEMENTS	Interi Zo	Zone BCS	8			RATES (\$)					Syc Syc	Incremental Charge - Manual Svc Order vs. Electronic-	7.9.4	incremental Charge - Manual Svc Order vs.
		\vdash								Derlish	Der LSH	186	Addi	Disc 1st	Disc Add'i
		\dagger			}	First A	Addil	First	Add"	SOMEC	SOMAN	SOMAN	OSS RATES (S)	SOMAN	SOMAN
	Collocation Cable Records - VG/DS0 Cable, per cable record	\parallel	OTO	PE1CD		683.83		378.24							
	Collocation Cable Records - VG/DS0 Cable, per each 100 pair		CLO	PEICO		39.65	3.62	11.79	11.79		,			•	
	Collocation Cable Records - DS1, per T1TIE	+	OD O	PE1C1		4.50	4.50	5.52	5.52						
	Collocation Cable Records - DS3, per 1311E Collocation Cable Barrade - Elect Cable records	+	900	PETCS		15.75	15.75	19.32	19.32		1				
	Physical Collocation - Security Escort - Basic, per Half Hour	H	CLO,CLORS	PE18T		33.85	21.45	134.23	154.25						
	Physical Collocation - Security Escort - Overtime, per Half Hour		CLO,CLORS	PE1OT		44.09	17.72								
	Physical Collocation - Security Escort - Premium, per Half Hour		CLO,CLORS	PE1PT		\$4.38	33.96								
	Physical Collocation - Co-Carrier Cross Connects - Fiber Cable Support Structure, per cable, per linear ft.	_	O'D	PETES	0.0026										
	Physical Collocation - Co-Carrier Cross Connects - Copper/Coax Cable Support Structure, per cable, per lin. ft.		OTO	PEIDS	0.0038										
	Physical Collocation - Co-Carrier Cross Connects - Application Fee, per application	-	OTO	PE1DT		585.37									
ADJACENT CO	ADJACENT COLLOCATION	H													Ī
	Adjacent Collocation - Space Charge per Sq. Ft.		CLOAC	PE1JA	0.2542	400									
	Adjacent Collocation - 2-Wire Cross-Connects	+	CLOAC	PEIPS	0.0598	24.95	23.97	12.80	11.67		T				T
	Adjacent Collocation - 4-Wire Cross-Connects	H	UEA,UHL,UDL,UCL		0.1196	25.14	24.11	13.18	11.96						Ī
	Adjacent Collocation - DS1 Cross-Connects	+	USLCLOAC		8	44.19	32.13	12.94	11.82						
	Adjacent Collection - USS Cross-Connects Adjacent Collection - 2-Elber Cross-Connect	\dagger	CLOAC		14.12	25.52	800	14.72	12.05		1	1		1	
	Adjacent Collocation - 4-Fiber Cross-Connect	\dagger	CLOAC	PE1F4	4.57	51.14	39.90	18.97	16.30					1	
	Adjacent Collocation - Application Fee	$\ $	CLOAC	PE1.18		1,555.00		0.99							T
	Adjacent Collocation - 120V, Single Phase Standby Power Rate per AC Breaker Amp		CLOAC	PE1F8	5.39										
	Adjacent Collocation - 240V, Single Phase Standby Power Rate per AC Breaker Amp	\vdash	CLOAC	PEIFD	10.79										
	Adjacent Collocation - 120V, Three Phase Standby Power Rate per AC Breaker Amo		CLOAC	PETFE	16.18										
	Adjacent Collocation - 277V, Three Phase Standby Power Rate per AC Breaker Ann		CLOAC	PE1FG	37.37										
PHYSICAL CO	PHYSICAL COLLOCATION IN THE REMOTE SITE														Ī
	Physical Collocation in the Remote Site - Application Fee Cabinet Space in the Remote Site per Bay/ Rack	+	CLORS	PE1RA PE1RB	224.82	608.17	608.17	323.44	323.44						
	Physical Collocation in the Remote Site - Security Access - Key		CLORS	PE1RD		25.88	25.88								
	Physical Collocation in the Remote Site - Space Availability Report per Premises Requested		CLORS	PE1SR		229.02	22902								
	Physical Collocation in the Remote Site - Remote Site CLL	-	3000	100		1	1								
	Remote Site DLEC Data (BRSDD), per Compact Disk, per CO	-	CLORS	PEIRE		233.38	14.22					1			
PHYSICAL CO	OLLOCATION IN THE REMOTE SITE - ADJACENT	H													
	Remote Site-Adjacent Collocation - AC Power, per breaker amp	1	CLORS	PE1RS	627										
	Remote Site-Adjacent Collocation - Real Estate, per square foot		CLORS	PEIRT	0.134										
	Remote Site Adjacent Collocation-Application Fee CLORS	H	CLORS	PE1RU	PE1RU 755.62	755.62	755.62								
NOIE	If Security Escort and/or Add 1 Engineering rees become mass	SERVICE TOP	remote and collocation	i, the Parties v	ин перопапе арр	copriste rates	ļ							7	

COLLOCAT	COLLOCATION - Florida												A	Attachment: 4		Exhibit
					-						-					
	STICING IS STAGE	Inter	<u> </u>		٤			DATEC (6)			Svc Order S	Svc Order	Charge - Manual Svc	Incremental Charge - Manual Syc	Incremental Charge - Manual Svc	Incremental Charge - Manual Svo
CATEGORY		E			<u> </u>								Order vs. Electronic	Order vs. Electronic	Order vs. Electronic-	Order vs. Electronic-
		T	+		-			H			Der LSH	Der LSH		Addi	Discuss	Disc Add'i
		1		1	T	<u> </u>	Nonrecurring	†	Nonrecurring Disconnect	Disconnect	COMEC	COMAN	OSS R.	RATES (S)	SCALAN	COMPAN
				-	H			t			+-	₩	- COMPAN		-	No.
PHYSICAL COLLOCATION	LLOCATION				H											
	Physical Colocation - Application Fee - Initial Denoised Colocation - Application Fee - Initial	1	000	PE1BA	¥ .	1	2,597.00	1	٥		1					
	Physical Collocation - Space Preparation - Firm Order		3		+	1	6,630,00									
1	Processing Director Collection Street Descention CO Meditioning	\int	OTO	PE1SJ	7	+	288.93				1	1				
	riysta Concaudi - space rieparandi - c.O. mounicandi per square ft.	-	СIO	PE1SK	- X	2.38										
	Physical Collocation - Space Preparation - Common Systems Modification per square ft - Canaless		G E	PF1S	- v	96.0										
	Physical Collocation - Space Preparation - Common Systems				-							T				
	Modification per Cage		000	PEA	SM	92.55	7		27.27							
	Physical Collocation - Cable Installation per Cable Physical Collocation - Floor Space per So. Ft.	1	900	GE LA	3 5	7.86	1,790,00		97.0			\dagger				
	Physical Collocation - Cable Support Structure		αo	PE1	₹	18.96										
	Physical Collocation - Power, per Fused Amp Physical Collocation - Power Reduction, Application Fee	+	99 88	PE1PL	교	399.43						+				
	Discipled Calcadian 4001 Circle Dhane Charletter Dans		7	3500	8	97 4										
	Tiyska Colocatol - 1204, Stigle Tiase Statuby Torier hard		3	reiro	-	8										
	Physical Collocation - 240V, Single Phase Standby Power Rate	\int	9	PE1FD	<u>ව</u>	11.14	+					1				
	Physical Collocation - 120V, Three Phase Standby Power Rate		CLO	PE1FE	=	16.70										
	Physical Collocation - 277V, Three Phase Standby Power Rate		CC			38.57						-				
	Physical Collocation - 2-Wire Cross-Connects		UEANL, UEA, UDN	151	2	0.0276	8.22	7.22	5.74	4.58						
	Physical Collocation - 4-Wire Cross-Connects	1	CEO	15	2 8	0.05%	29.42	7.36	96.90	24.00		\dagger				
	Physical Colocation - DS3 Cross-Connects		COO	51	8	16.81	25.48	14.05	77.7	5.01						
	Physical Collocation - 2-Fiber Cross-Connect		G G	1 1	2	3.34	41.94	30.52	13.91	11.16						
	Physical Collocation - 4-Fiber Cross-Connect	1	000		7 8	5.92	51.30	39.87	18.29	15.54	1		1			
	Priysta Colocation - Welded Wire Cage - First 100 Sq. Ft.		COO	PEICW	S	18.58										
	Physical Collocation - Security System Per Central Office Per Assimable So. Ft		O E	PETAY	-	0.0105						•				
	Physical Colocation - Security Access System - New Access		2	DEAA	-	7500	8									
	Physical Collocation-Security Access System-Administrative		3 6		<u> </u>	1	3 1									
	Change, existing Access Card, per Card Physical Collocation - Security Access System - Replace Lost or		3	TEIM	¥		8.6	1				-	T			
	Stolen Card, per Card		900	PE1AR	Æ		45.75	1				1				
	Physical Collocation - Security Access - Rings Nay, per Nay Physical Collocation - Security Access - Key, Replace Lost or	$oxed{T}$	3		-		8.00						Ī		T	
	Stolen Key, per Key		CIO	PE1	¥		26.30									
	Physical Collocation - Space Availability Report per premises	1	000	PETSR	55 85	1	2,159.00		267.08			+	1	1		
	Collocation Cable Records - VG/DS0 Cable, per cable record		CIO	PEI	8		05999		379.78							
	Calle Boronde - VC/DSO Cable net earth 100 nair		<u>ت</u>) DE	٤		99	98	184	11.84						
	Collocation Cable Records - VCDSO Cable, per each 100 per Collocation Cable Records - DS1, per TITIE		38	PETCH	35	H	4.52	4.52	5.54	5.54		\prod				
	Collocation Cable Records - DS3, per T3TIE		OS CO	PE	81	1	35.82	15.82	19.40	19.40	+	1				
	Collocation Cable Records - Fiber Cable, per 99 moer records	1	025		8	+	109.67	108.0/	25.45	20.40	1	\dagger	T		1	T
	Physical Collocation - Security Escort - Basic, Per Quarter Hour		g	PE1BO	8		10.89	1		Ī	1	+				
	Physical Collocation - Security Escort - Overtime, Per Cularier Hour		CLO	PE100	8		13.64					1				
	Physical Collocation - Security Escort - Premium, Per Quarter		0	Caraa	<u> </u>		0891									
	ITOUR		1000		2		12.21					1				

572 of 804

COLLOCA	COLLOCATION - Florida								A					ĺ		
			-	-	F								ncremental	Incremental	Incremental	Increments
														Charge -	Charge -	Charge
	RATE ELEMENTS	Interial Zz	Zone	SSB	nsoc			RATES (S)			Svc Order Submitted	Svc Order Submitted	Manual Svc Order vs.	Manuel Svc Order vs.	Manual Svc Order vs.	Manual Svc Order vs.
CATEGORY		I									Per SR	Manually per LSR	Electronic	Electronic	Electronic- Disc 1st	Electronic- Disc Add'1
						ă	Monney	ì	Novecuring Disconnect	Disconnect			OSSR	ATES (5)		
				+	Ī	}	First	Addi	First	Addi	SOMEC	SOMAN	SOMAN	AN SOMAN	SOMAN	SOMAN
-	Physical Collocation - Security Escort - Basic, per Half Hour		CLO,CLORS		PEIBT		33.99	21.54								
-	Physical Colocation - Security Escort - Overtime, per Half Hour		CLO,CLORS		PEIOT		44.27	27.82							•	
	Physical Coloration - Security Ferrot - Pramium par Half Hour		CIDCIORS		PEIPT		54.55	34.10								
-	Physical Collocation - Co-Certier Cross Connects - Fiber Cable Support Structure per cable ner linear ft.		90		PETES	0.0028										
-	Physical Collocation - Co-Carrier Gross Connects - Copper/Coax Cable Support Structure, per cable, per fin, ft.		gg	_ <u>&</u>	PE1DS	0.0041										
_	Physical Collocation - Co-Carrier Cross Connects - Application Fas. per application		OD C	_ਛ	PE10T		535.54									
NDJACENT (ADJACENT COLLOCATION												1			
	Adjacent Collocation - Space Charge per Sq. Ft.		CONC		PE1JA	0.1635		T								
1	Adjacent Colocation - 2-Win Cross-Connects		CLOAC	1	242	0.0213	24.68	23.69	11.77	23.79						
1	Adjacent Colocation - 4-Wire Cross-Connects		UEA,UHL,UDL,UCI	1 11	(PE1P4	0.0426	24.88	23.83	12.04							
	Adjacent Collocation - DS1 Cross-Connects		USLCLOAC		EIPI	122	44.24	31.98	12.07							
	Adjacent Collocation - DS3 Cross-Connects	1	CLOAC		133	16.56	41.94	3 22 22	13.91	11.13						
+	Adjacent Colocation - 2-riber Cross-Comect	1			7462	5.36	51.30	39.87	18.29							
1	Adiacent Colocation - Andication Fee	L	CLOAC	100	PE1JB		2,785.00		101							
-	Adjacent Collocation - 120V, Single Phase Standby Power Rate		O TO	ā	PETER	25										
-	Adjacent Collocation - 240V, Single Phase Standby Power Rate					!										
	per AC Breaker Amp		CLOAC	4	F170	10.77										
	Adjacent Collocation - 120V, Three Phase Standby Power Rate per AC Breaker Amp		CLOAC	<u>a</u>	PEIFE	16.15										
	Adjacent Collocation - 277V, Three Phase Standby Power Rate on AC Breaker Amo		CLOAC	Δ.	PE1FG	37.30										
	Adjacent Collocation - Cable Support Structure per Entrance Cable		CLOAC	<u>a</u>	PEIPM	18.96										
PHYSICAL C	PHYSICAL COLLOCATION IN THE REMOTE SITE		000			1	942 04		200 04							
	Physical Collocation in the Remote Site - Application Fee	1	SPOR	-10	PETHA	91949	16/10		360.01							
-	Cabinet Space in the Hemote Site Day, Flats		800		GBLEG		26.30									
\mathbf{I}	Physical Collocation in the Ferrore Site - Space Availability Rennot are Premises Reutested		CLORS		PE1SR		232.69									
L	Physical Collocation in the Remote Site CLL		SECIE	a	PF1RF		75.41				:					
+	Remote Site DLEC Data (BRSDD), per Compact Disk, per CO		CLORS		PEIRR		233.51									
PHYSICAL C	COLLOCATION IN THE REMOTE SITE - ADJACENT															
	Remote Site-Adjacent Collocation - AC Power, per breaker amp		CLORS		PEIRS	6.27										
	Downso Site Adjacent Collection - Beal Estate, personare foot		CLORS	o.	EIRT	0.134				-						
-	Remote Site-Adjacent Collocation-Application Fee		CLORS	1	ESE:	PE1RU 755.62	755.62	755.62								
	The state of the s	The Smean	office alton	-Managian III												

												-				
				·								1	*	Attachment: 4		Exhibit: D
CATEGORY	RATE ELEMENTS	E F	Zone BCS		nsoc			RATES (\$)			Svc Order	Suc Order	Incremental Charge -	Charge -		Incremental Charge -
													Order vs.	Order vs.	Order vs.	Order vs.
						l å					per LSR	┥.	16	Addi	_	Disc Add'I
				$\ \ $	П		First	Addil	Nonrecurrin	Nonrecurring Disconnect	211100		OSS RATES (S)	ATES (\$)		
PHYSICAL COLLOCATION	KLOCATION			+						DATE:	200	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	Physical Colocation - Application Fee - Initial Physical Colocation - Application Fee - C. I.		CLO	PE1B	A	1	3.850.00							1		
	Physical Collocation - Space Precaration Fee Per Smisse Et		CO	PE1CA	*		3,130.00	3.130.00								
	Physical Collocation - Space Preparation - Firm Order	I	OB)	PE1B	١	H	100.00	100.00				1				
	Processing Physical Cylonative Space B		OTO	PEIS			1 197 00								1	
	square ft.		5													
	Physical Collocation - Space Preparation - Common Systems		3	NE ISK	<u> </u>	2.02	1									
	Physical Collocation - Space Preparation - Common Systems		CCO	PE1SI	4	2.80										
	Modification per Cage		OD	PETS		90	-				Ī	+	1		1	
	Physical Colocation - Cable Installation Physical Colocation - Flow Space and E.		CIO	PEIB		27.02	2.750 m	2 750 00								
	Physical Collocation - Roor Space - Zone B par Sn Ft	1	000	PE1P			2	£,130.00			1					T
	Physical Collocation - Cable Support Structure	f	300	PE1PK	+	6.75					1		1			
	Physical Collocation - Power -48V DC Power, per Fused Amp		CLO		1	3.50	\dagger								1	
	Type Countainn - Fower Heduction, Application Fee	+	CLO	PE1PR	\parallel	398.80	\dagger	1							1	
	Physical Collocation - 120V, Single Phase Standby Power Rate	-	CLO	PETEB	-	69.4						+				
	Physical Collocation - 240V. Single Phase Standby Power Box		0		_	3	+	\dagger			1	1				
		+	OTS	PERF	+	11.05										Ī
	Physical Collocation - 120V, Three Phase Standby Power Rate	-	CLO	PEIFE		16.58									1	T
	Physical Collocation - 277V, Three Phase Standby Power Rate	-	Ç.				1		T		1					
	Physical Collocation - 2-Wire Cross-Connects		UEANL, UEA, UDN. I	NUDPETPZ	+	38.27	29 00								•	
	Physical Collocation - DS1 Cross-Connects	+	CLO			0.50	12.60	12.60	1			H				T
	Physical Collocation - DS3 Cross-Connects	\dagger	CLO, UEANL, UE	O.WPE1P1		8.00	155.00	27.00	1		+	+				T
	Physical Collocation - 2-Fiber Cross-Connect	\dagger	200		-	72.00	155.00	27.00			l	-		1		
	Physical Collocation - 4-Fiber Cross-Connect		CO	PERT4	+	508	2 2 2	38.72					+		1	
	Thysical Collocation - Welded Wire Cons - Add: 50 Sq. Ft.		CIO	PE1BW		161.27		01.01	1		1	H			$\frac{1}{1}$	T
	Physical Collocation - Security System Per Central Office Per	\dagger	CED	PEI S	+	15.82	H				1	+	1			
† -	Assignable Sq. Ft. Physical Collocation - Security Arraes Suctors No. 1	1	G,O	PE1AY		0.0172						+	T			
	Card Activation, per Card	-	95	PEIAI		Onem	20 4				+	+	1	1		
	Process Collocation - Security Access System - New Access	_	5				10.60	6.20	1	1	1	+	1			
C	Physical Collocation-Security Access System-Administrative			E	+	1	8.72	8.72								
	Physical Collocation - Security Access System - Reclade Lost or	+	OB GIO	PE1AA			15.40	15.40							-	T
1	Stolen Card, per Card		O.O	PE1AR			8,00	8 9				+	1	+	+	
	Tysical Collocation - Security Access - Kimal Key, per Key Thysical Collocation - Security Access - Key, Bankara Last or	+	G _O	PETAK			39.56	26.16	\dagger	-	+	+				
S	tolen Key, per Key		G G	DE1A!						 	+	+	1			
1	Physical Collocation - Space Availability Report per premises POT Bay Anangements prior to 6/1/99 - 2-Wire Cross-Connect	片	Q.O	PEISH	$\left \cdot \right $	2	2,148.00	2,148.00	+	1	+	1	1		-	
a	per cross-connect		UEAN! LIFA LIDAL								+	+	1			
	POT Bay Arrangements prior to 6/1/99 - 4-Wire Cross-Connect,	-		7	_	0.40	+	1	1		1					
	POT Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect,	+	UEANL, UEA, UDN, U	,UDPE1PF	+	8	+		 						100	Γ
1	POT Bay Arrangements prior to 6/1/99 - 13/3 Cross-Connect	+	UEANL, UEA, UDN. U	UCPE1PG		1.20							-		1	T
4	ar cross-connect		UEANL LIFA LIDIN III	IIIPEIDU		\$	_		-	t	+	+	+	+	1	
				1 1 1 1 1 1 1	-	8.001	1	1	1		-					

COLLOCATION - Geomie	ON - Gaornia										\mid	Attiv	Attachment: 4		Exhibit- D
COLECCE		-							-		+		+	-	
CATEGORY	RATE ELEMENTS	interior 20	Zone BCS	OSS			RATES (S)		w w	Svc Order Sv Submitted Suf Elec Ma	Svc Order Ma Submitted O Manually Ek	Charge - Charge - Manual Svc N Order vs. Electronic I	Charge - Manuel Svc Order vs.	Charge - Manual Svc Order vs. Electronic-	Charge - Manual Svc Order vs.
		+					-		1	per LSR pe	\neg	_	_	Disc 1st	Disc Add'i
					- J	Nonrecurring		Nonrecurring Disconnect		- 1		OSS RA	RATES (\$)		
		+				First	1	First	+	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
	POT Bay Arrangements prior to 6/1/89 • 2-Fiber Cross-Connect, per cross-connect		UEANI, UEA, UDN, UI	OPE182	38.79										
	POT Bay Arrangements prior to 6/1/99 - 4-Fiber Cross-Connect,		HEAN HEATION IN		18.29										
	Collocation Cable Records - per request	\parallel	CIO	PE1CR		1,706.00	H				$\ $				
	Collocation Cable Records 2 VG/DS0 Cable, per cable record	+	CID			822.38	\dagger		1	\dagger	+	1			
_	Collocation Cable Records - VG/DS0 Cable, per each 100 pair		۵o	PE1CO		18.00	18.00								
	Collocation Cable Records - DS1, per T1TIE	H	CO	PETC		8.43	8.43				+				
	Collocation Cable Records - Us3, per 1311E Collocation Cable Records - Fiber Cable, per 99 fiber records	-	900	PEICE		278.61	278.61			+					
	Physical Collocation - Security Escort - Basic, per Half Hour	$\ $	CLOCLORS	PE18T		41.00	25.00			$\mid \cdot \mid$	$\ \cdot\ $				
	Physical Collocation - Security Escort - Overtime, per Half Hour		CLO,CLORS	PE1OT		48.00	30.00								
	Physical Collocation - Security Escort - Premium, per Half Hour		CLO,CLORS	PE1PT		55.00	35.00							•	
	Physical Collocation - Co-Carrier Cross Connects - Fiber Cable Support Structure, per cable, per finear ft.		OID	PETES	0.0023										
	Physical Collocation - Co-Carrier Cross Connects - Copper/Coax		0.00	90,00	1000		-								
	Cable Support Structure, per cable, per III. II. Physical Colocation - Co-Carrier Cross Connects - Application	\dagger	CES	2	1 000				1		+				
	Fee, per application	1	OIO	PE10T		553.43									
ADJACENT COLLOCATION	LLOCATION Adjacent Colocation - Space Chame per So. Fr	+	COAC	PE1.IA	0.2542		+	1	1		\dagger	1	1		T
	Adjacent Collocation - Electrical Facility Charge per Linear Ft.		CLOAC	PE1JC	5.44		H				H				i i
	Adjacent Collocation - 2-Wire Cross-Connects		3	PE1P2	0.598	24.95	23.97	11.80	10.67		+				
	Adjacent Collocation - 4-Wire Cross-Connects Adjacent Collocation - DC1 Cross-Connects		UEA CI OAC	PEID	8 2	44.19	32 13	11.93	10.81		+		}		I
	Adjacent Collocation - DS3 Cross-Connects		CLOAC	PE1P3	14.12	41.93	30.69	13.71	1.Q		H				
	Adjacent Collocation - 2-Fiber Cross-Connect	1	CLOAC	PE1F2	2.39	41.83	80.68	13.71	5 5	1	+	1			
	Adjacent Collocation - 4-Fiber Cross-Connect Adjacent Collocation - Amilication Fee	\dagger	CLOAC	PE1.18	4.5/	1,555.00	3	17.80	67.01	-	$\frac{1}{1}$	1			
	Adjacent Collocation - 120V, Single Phase Standby Power Rate	-	0	OCSER	Q. Y										
	Adjacent Collocation - 240V, Single Phase Standby Power Rate	\dagger	200				-				 				
	per AC Breaker Amp	1	CLOAC	FE F5	10.79	1	1	+	1	1	+	1		1	
	Agacent Colocation - 120V, Infee Priase Standoy Power hate per AC Breaker Amp		CLOAC	PEIFE	16.18										
	Adjacent Collocation - 277V, Three Phase Standby Power Rate new AC Breaker Amo		CLOAC	PE1FG	38.27		•								
	Adjacent Collocation - 240V, Three Phase Standby Power Rate		CLOAC	PFLID	37.37										
PHYSICAL COL	LOCATION IN THE REMOTE SITE									H	H				
	Physical Collocation in the Remote Site - Application Fee Cabinet Space in the Remote Site per Bay/ Rack	\parallel	CLORS	PE1RA PE1RB	224.82	808.18	608.17	323.63	323.63		+				
	Dweical Collection in the Barma Site - Security Access - Key		CLORS	PE18D		25.88	25.88								
	Physical Collocation in the Remote Site - Space Availability	ig	0000				8								
	Report per Premises Requested	+	CLORS	PEISH		223.02	ZS (K		1	-	+	T			
-	Physical Colidization in the memore sine - memore sine con-	1	CLORS	PEIRE		74.22	74.22		1	+	\dagger	1	1		T
PHYSICAL COL	PHYSICAL COLLOCATION IN THE REMOTE SITE - ADJACENT	+	CLOHS	PEIR		227.88				\parallel	\parallel				
	Bernote Site-Adjacent Collocation - AC Power, per breaker amp		CLORS	PE1RS	6.27										
	Downer City Adjourne Politonities - Boal Fetata per enuara froit		CLORS	PF1RT	0.134										
	Remote Site-Adjacent Collocation-Application Fee	H	CLORS	PE1RU		755.62	755.62				H				

4
ଛ
₹
0
ø
2

	ō	3 9		T	
	Exhibit:	rement harge musi Sy		2	
	"	1 3 3			
		Charge Charge anual S Order v	Clay 1st Ning Adds		
	nt: 4	Svc III] 		
	Attachment: 4	Charge Electronic Flactronic Flactronic Flactronic Charge	Add	100 BATES	
	Αtt	l Svc		90	3
		Chan Manua Order Electri	10		100
		Submitted Charge	rLSR		SOURCE COURSE COLORS
l	-	Ted Sv.	N. De		2
		Svc On Submit	Der LS		THE SE
				mect	-
				Nonrecurring Disconnect	¥
				curring	*
				None	Ties
		RATES (5)			Addi
		Ž		Nonrecurring	7
				Nonre	13
				36	
	_		L	_	
		CROC			
	H		\vdash	\dagger	
		8			
					the effe
		Zone			Mastery for remote eithe collocati
		inter E			V
					9
					se become
					dag Fe
		RATE EL EMENTS			Add'i Engineering Fees
		ATE EL			S S S
					000
eorgis					8
ON-G				1	
LLOCATION - Georgia		TEGORY		1	
COLL		CATE			
	_				٠,

Version 1002: 02/20/02

Note the part of	COLLOCA	COLLOCATION - Kentucky											-				
NATE DIABOTTS NATE DIABOTT				F								1	+	#V	achment: 4		Exhibit: D
Color Principal Color Pr	CATEGORY			e o	3	S82			RATES (\$)								Charge - Manual Svc Order vs.
Particle Particle				_								- 1	4			200	Casc Aug
Control Properties Proper				+			38	Nonrec	Addil	Nonrecurrin First	g Disconnect Add'i		\vdash	SOWAN	SOMAN	SOMAN	SOMAN
Control Cont	PHYSICAL C	X LOCATION	1	+									₩				
CO	_	Physical Colocation - Application Fee - Initial	T	18		PEIBA		3 773 54	3 773 54			1	1	1		•	
CLO PEESK 2.28 1,200.07		Physical Collocation - Application Fee - Subsequent		S		PEICA		3,145.35	3,145,35			1	+	1			
CLO PEESE 2.22 1,2021		Physical Collocation - Space Preparation - Firm Order - Processing		2.5		DE10.1		1 206 03	200	. :							
CLO PESIS, 2.28		Physical Collocation - Space Preparation - C.O. Modification per		3		3		1,200,01	70.00			1	1	1			
CLO PETSL CLO CL	+	square ft.		양		PEISK	2:32										
CLO PETSM TLOST TLOST CLO CLO PETSM TLOST CLO CLO PETSM TLOST CLO CLO PETSM TLOST CLO CLO PETSM TLOST CLOST CLO PETSM TLOST CL		Physical Collocation - Space Preparation - Common Systems Modification per square ft Cageless		oro Cro		PE1SL	3.26						-				
COO PETPR 172211 45.10 1.00		Physical Collocation - Space Preparation - Common Systems		L													
CLO PETPH 18.98	1	Physical Colocation - Cable Installation	1			PETSM	100.57	1 720 11		46.46			1				
CIO PEPPH See 50		Physical Collocation - Floor Space per Sq. Ft.				PEIP	7.99	1,753.		2					1		
CLO PEPPR S.44		Physical Collocation - Cable Support Structure		S		PEIPM	19.86										
CLO PETER 5.44	+	Physical Collocation - Power 48V DC Power, per Fused Amp Physical Collocation - Power Reduction, Application Fee		000		PEIPL	80.00										
Cloop Petro Coop Coop													\dagger	1			
CLO PEIFE 16.20 CLO PEIFE 16.20	+	Physical Collocation - 120V, Single Phase Standby Power Rate	1	읭		PEIFB	5.44						1				
CLD PEFFE 16.22 22.68 12.14 10.65 22.68		Physical Collocation - 240V, Single Phase Standby Power Rate		CO		PE1FD	10.88										
CLO PETES 27.08 12.14 10.05		Physical Collocation - 120V. Three Phase Standby Power Bate		Ö	_	PETER	16.30						-				
CLOUCHALLEAUDANUPERIPS CLOSS CLO													t		T		
CLOUMENT PETRA CLOSE CLOUMENT CLOU	+	Physical Collocation - 277V, Three Phase Standby Power Rate Physical Collocation - 2-Wire Cross-Connects	1	001	NI LIEA LICHALI	PEIFG	37.68	97.60	99 60				+				
CLOUEANI, LECAUDA, LOPETPE 1.48 44.23 31.98 12.81 11.57 CLO PERTO 8.76 41.29 30.51 14.76 11.83 CLO PETINA 18.41 16.40 11.84 16.47 11.84 CLO PETINA 18.14 16.47 11.84 16.40 16.40 CLO PETINA 18.14 16.64 15.64 16.64 1		Physical Collocation - 4-Wire Cross-Connects			The County of th	PEIPA	0.0665	24.88	23.82			1	+			1	
CLO PEFINS 18.89 14.75 11.84		Physical Collocation - DS1 Cross-Connects		O _C O	UEANL UEO.W	DE1P1	1.48	44.23	31.98								
CLO PETAL CLO CLO CLO CLO PETAL CLO CLO CLO PETAL CLO CLO	1	Physical Collocation - DS3 Cross-Connects	1	90		PE1P3	18.89	41.93	30.51								
QLO PETON 184.97 CO QLO PETAN 16.64 15.64 15.64 QLO PETAN 45.74 46.74 46.74 QLO PETAN 46.74 46.74 46.74 QLO PETAN 2.188.67 2.188.67 2.188.67 QLO PETAN 2.188.67 2.188.67 2.188.67 QLO PETAN 2.188.67 2.188.67 2.188.67 UEANI, UEA, UDALUPE IPE 0.23 0.20 0.23 UEANI, UEA, UDALUPE IPE 1.60 1.60 1.60 UEANI, UEA, UDALUPE IPE 6.50 1.50 1.50 UEANI, UEA, UDALUPE IPE 6.50 1.50 1.50		Physical Colocation - 4-Fiber Cross-Connect	1	36		7212	3.73	51.55	30.51				+	+			
CLO PETAX 76.10 CLO PETAX 76.10 CLO PETAX 76.10 CLO PETAX 76.10 CLO PETAX 76.70 CLO PETAX 76.71 46.74 46.74 46.74 46.74 46.74 46.74 46.74 46.74 46.74 46.74 46.74 46.74 PETAX 76.20 PETAX		Physical Collocation - Welded Wire Cage - First 100 Sq. Ft.		9		PE1BW	184.97						$\frac{1}{1}$		Ī	1	
QLO PETAT 76.10 95.79 95.79 76.10 QLO PETAT 15.64 </td <td>$\frac{1}{1}$</td> <td>Physical Collocation - Welded Wire Cage - Add'l 50 Sq. Ft.</td> <td></td> <td>8</td> <td></td> <td>PEICW</td> <td>18.14</td> <td></td>	$\frac{1}{1}$	Physical Collocation - Welded Wire Cage - Add'l 50 Sq. Ft.		8		PEICW	18.14										
stem-Administrative action CLO PETAT 0.059 55.79 55.79 Fig. 4 stem-Administrative action CLO PETAA 15.64		Thysical Carolication - Security Access System - Security System per Central Office		9		PE1AX	76.10						•				
iden-Administrative CLO PETAR 15.64 15.62 26.23	_	Physical Collocation - Security Access System - New Access											\mid				
stem - Replace Lost of Section Step 1.5 GLO PETAM 45.74 at 5.74 at 5.	1	Physical Colocation-Security Access System-Administrative	1	3		ZEJA Z	0.058	8	55.79			+	1			1	
Section Color PETAK Section Section		Change, existing Access Card, per Card		8		PE1AA		15.64	15.64								
(ey, Replace Lost or CLO PETAIX 26.29 26.29 (ey, Replace Lost or CLO PETAIX 26.29 28.29 Report per premises CLO PETAIX 2.158.67 2.158.67 E-Wire Cross-Connect, Leav LON, LIPPETPE 0.113 0.23 0.23 E-Wire Cross-Connect, Leav LON, LIPPETPE 1.60 1.60 SS3 Cross-Connect, Leav LUAN, LIPPETPE 48.57 1.624.65 FFBer Cross-Connect, Leav LUAN, LIPPETBE 48.57 1.524.45		Physical Collocation - Security Access System - Replace Lost or Stolen Card nor Card		2		DE1AD		72.37	AE 74								
(ey, Replace Lost of Person CLO PE1AL PE1SR 26.29 26.29 C. 2158.67 C. 215		Physical Collocation - Security Access - Initial Key, per Key		300		PETAK		26.29	26.29				+			1	
PEIAL PEIA		Physical Collocation - Security Access - Key, Peplace Lost or											-	-			T
*Wire Cross-Connect, Usan Lucaudo, ud Perperant Lucan Lucaudo, ud Perperant 0.113 Connect Connect Lucan Lucaudo, ud Perperant 1.60 1.60 Lucan Lucaudo, ud Perperant 1.60 1.60 Lucan Lucaudo, ud Perperant 1.60 1.	-	Stolen Key, per Key Physical Collocation - Snace Availability Report per premises	1	30		PE1AL PE1CD		2629	26.29			+	+	1	1		
Wins Cross-Connect, Consect UEANL LEAUDINUIPEIPE 0.113 Consection of the consectio	1	POT Bay Arrangements prior to 6/1/99 - 2-Wire Cross-Connect		1		TE ION		70.000,7	2,130.07				+	1	1	1	
Wins Cross-Connect, Connect, Delan Lea LIDA, LIPE FIPE 0.23 Cross-Connect, Leave Library Leave Library Librar		per cross-connect		UEA		PE1PE	0.113										
SSI Cross-Connect, UseANL_UEA_UDN_UPEIPG 1.60 CAST Cross-Connect, UseANL_UEA_UDN_UPEIPG 1.60 CAST Cross-Connect, UseANL_UEA_UDN_UPEIPG 1.60 CAST Cross-Connect, UseANL_UEA_UDN_UPEIPG 1.624.45 267.02 CAST Cross-Connect, USANLUEA_UDN_UPEIPG 1.524.45 267.02 CAST CROSS-CONNECT CAST CROSS-CONNEC		POT Bay Arrangements prior to 6/1/99 - 4-Wire Cross-Connect,		1		90,700	000						-	-			
XS3 Cross-Connect, UEANL LIEA LIDIA, LIDPETPH 1.60 1.60 LEANL LIEA LIDIA, LIDPETPH 1.60 LEANL LIEA LIDIA, LIDPETPH 1.62 1.60 LEANL LIEA LIDIA, LIDPETPH 1.62 48.57 LEANL LIEA LIDPETPH 1.62 1.62 48.57 LEANL LIEA LIDPETPH 1.62	+	POT Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect,	T	<u> </u>		12.11	0.63						1	1	1	1	T
Lyst Cross-Connect. UEANI_LIEA_UDN_UIPETR2 48.57 Leani_Liea_UDN_UIPETR2 48.57 Fiber Cross-Connect. UEANI_LIEA_UDN_UIPETR2 65.50 1.524.45 267.02	-	per cross-connect		Œ	~,	PE1PG	1.60						1				
Fiber Cross-Connect, UEANI_LEA_UDN_UIPE1B2 48.57 Assistance Fiber Gross-Connect, UseANI_USE_USE 65.50 Assistance CLO PETGR 267.02 Assistance		POI Bay Arrangements prior to 61/39 - US3 Cross-Connect, per cross-connect		NEA OEA	_	PE1PH	14.23										
-Fiber Gross-Connect, UEANI, UEAUDN, UDPETB4 66.50 1,524.45		POT Bay Arrangements prior to 6/1/99 - 2-Fiber Cross-Connect,		LIEA	NI LIEA LIDALII	DE1B9	40 67					_	_				
GLO PETCR 65.50 1,524.45	-	POT Bay Arrangements prior to 6/1/99 - 4-Fiber Cross-Connect,	\mid										<u> </u>				
	+	per cross-connect Collocation Cable Becords - per request	+	A C	N. UEA UDN U	PE184	65.50	1 524 45		00 196		+	+		1		
														4		1]

COLLOCAT	COLLOCATION - Kentucky											H	AH	Attachment: 4		Exhibit: D
CATEGORY	RATE ELEMENTS	Interd 2	Zone	<u>S</u>	osn			RATES (\$)			Svc Order S Submitted Si Elec N	Svc Order M Submitted (Manually E per LSR	Charge - Marrual Svc I Order vs. Electronic- 1st	Charge - Manual Svc Order va. Electronic- Add:	Charge - Manual Svc Order vs. Electronic- Disc 1st	Charge - Menual Svc Order va. Electronic-
						ě	Nonrecurring	uming	Nonrecurring	륍	- 4		OSS RATES (S)	ATES (5)		
	Collocation Cable Records - VG/DS0 Cable, per cable record		P	αo	PE1CD		First 656.37	Add":	First 379.70	Add'i	SOMEC	SOMAN	SOMAN	SONAN	SOMAN	SOMAN
	Collocation Cable Records - VG/DS0 Cable, per each 100 pair			9	PE100		198	9.62	11.84	± 29:		•			•	
	Collocation Cable Records - DS1, per T171E		O	OIO	PE1C1		4.52	4.52	5.54	5.54						
1	Collocation Cable Records - DS3, per 13/TE Collocation Cable Boronts - Eiber Cable nor 00/thor records	1	3 0	9	PETCS PETCS		15.81	15.81	19.39	19.39	1		1			
	Physical Collocation - Security Escot - Basic, per Half Hour		20	CLO,CLORS	PEIBT		33.96	21.53	2							
	Physical Collocation - Security Escort - Overtime, per Half Hour		8	CLO,CLORS	PE1OT		44.26	27.81								
	Physical Collocation - Security Escort - Premium, per Half Hour		ರ	CLO,CLORS	PE1PT		54.54	34.09								
	Physical Collocation - Co-Carrier Cross Connects - Fiber Cable Support Structure, per cable, per linear ft.		ᅙ	OIO	PE1ES	0.003										
	Physical Collocation - Co-Carrier Cross Connects - Copper/Coax Cable Surport Structure, per cable, per lin. ft.			OID	PE1DS	0.0045										
	Physical Collocation - Co-Carrier Cross Connects - Application Fee per application		2	CIO	PEIOT		535.55									
ADJACENT COLLOCATION	OLLOCATION		H		1 2 2											
+	Adjacent Collocation - Space Charge per Sq. Ft. Adjacent Collocation - Electrical Facility Charge per Linear Ft.		<u> </u>	CLOAC	PETJC	5.35						\dagger	1			
	Adjacent Collocation - 2-Wire Cross-Connects		Ö		PE1P2	0.0258	24.68		12.14							
1	Adjacent Collocation - 4-Wire Cross-Connects Adjacent Collocation - DC 1 Cross Connects		⋾ ≛	UEA UHIL UDIL UCIL	0F1P4	0.0515	24.88	23.82	12.77	11.46		+	1			
	Adjacent Collocation - DS3 Cross-Connects) 		PE1P3	18.61	41.93		14.75							
	Adjacent Collocation - 2-Fiber Cross-Connect		O		PE1F2	3.15	41.93		14.76							
	Adjacent Collocation - 4-riber Cross-Connect Adjacent Collocation - Application Fee	1	5 0	CLOAC	PE1.18	9.08	3.165.50		101	10.49		+				
	Adjacent Collocation - 120V, Single Phase Standby Power Rate		2	040	DEAEB	2/4										
	Adjacent Collocation - 240V, Single Phase Standby Power Rate		3	90		90 07										
	Adjacent Colocation - 120V, Three Phase Standby Power Rate		2 (2000		8 9										
	Adjacent Collocation - 277V, Three Phase Standby Power Rate		1	200	1 2											
PHYSICAL CO	PHYSICAL COLLOCATION IN THE REMOTE SITE		+	CLOMO	reins	37.78										
	Physical Collocation in the Remote Site - Application Fee		OC	CLORS	PEIRA	240.67	617.78		338.80			+				
	יאחווני ס'ומים וו חם שפוועים כוום ובמ'ז. נימיצי			2		0014										
	Physical Collocation in the Remote Site - Security Access - Key Physical Collocation in the Remote Site - Space Availability		7	CLORS	PEIRO		86.29					1	1			
	Report per Premises Requested		8	CLORS	PEISR		232.64					+				
	Physical Collocation in the Remote Site - Remote Site CLU Code Request, per CLU Code Requested		<u> </u>	ORS	PE1RE		75.40									
PLYSIC AL	Remote Site DIEC Data (BRSDD), per Compact Disk, per CO		O	CLORS	PEIRR		233.42					H				
			H													
	Remote Site-Adjacent Collocation - AC Power, per breaker amp		5	CLORS	PEIRS	6.27						+				
	Remote Site-Adjacent Collocation - Real Estate, per square foot CLORS Remote Site-Adjacent Collocation-Apolication Fee CLORS		<u>ට</u> ර	LORS	PEIRI	PE1RT 0.134 755.62	755.62	755.62								
NOTE	If Security Escort and/or Add'l Engineering Fees become nec	designy to	Temoth Temoth	e ette collocation,	the Parties	will negotiate as	propriate rate	-								,,

CHIECATON Part Part Chiecaton Part Part Chiecaton Part					•											
Note California Note			:		-									Incremental Charge -	Incremental Charge -	Incremental Charge -
Page		E ELEMENTS	E E	Zone		nsoc			RATES (\$)		Svc Order Submitted Elec			Manual Svc Order vs. Electronic-	Manual Svc Order vs. Electronic-	
March State March Marc							1				101 PBC	Declar	¥ .	Addi	Disc 1st	Disc Add'i
State Marche State Sta							<u> </u>	First	Addi	Nonrecurrin	SOME	SOMAN	COMAN	ATES (S)	NAME OF	NY SOCIETY OF
Notestion - Popilization Fee - Initial Notestion - Popilization Fee - Initial Notestion - Space Proparation - Em Code Notestion - Space Proparation - Fee - Space Space															N Carrie	
CLO PEISL 1,533.41 CLO PEISL 2.70 CLO PEISL 2.70 CLO PEISL 2.70 CLO PEISL 3.30 CLO PEISL 3.30 CLO PEIPL 3.30 CLO A.30	L COLLOCATION	17.00		J												
CLO PEISK 2.31 583.35	Physical Colocation - Apple	caton Fee - Subsement		I		PEIBA		1,837.24				1				
CLO PEISK 2.31 CLO PEISK 2.31 CLO PEISK 2.31 CLO PEISK 2.31 CLO PEISK 2.30 S41.54 CLO PEIPM S.30 S41.54 CLO PEIPM S.30 S4.55 CLO PEIPM S.30 CLO CLO CLO CLO CLO CLO CLO PEIPM S.30 CLO	Physical Collocation - Space	Preparation - Firm Order		I		5		1+000'1				1	1			
CLO PETSM 2.21 CLO PETSM CLO PETSM CLO CLO PETSM CLO CLO PETSM CLO CLO PETPM CLO	Processing					PEISJ		583.33								
CLO PETSH S.150	Physical Collocation - Space	e Preparation - C.O. Modification per				201	60									
CLO PETSM 91.60	Physical Collocation - Space	e Preparation - Common Systems		\prod		TEION	2.31					1	1			
CLO PEISM 91.60 841.54 8 10.00 10.	Modification per square ft	Cageless				PEISL	2.70									
CLO PEISM 91.60	Physical Collocation - Space	e Preparation - Common Systems														
CLO PEIPL 5.30 CTO	Physical Colocation - Cabla	hetaliation		T		PEISM	91.60	044 54	044 54				1			
CLO PETPM 18.31	Physical Collocation - Floor	Space per So. Ft.		Ī		SEAP!	28.8	8	5			1	1			
CLO PEIPL 8.32	Physical Collocation - Cable	Support Structure		ľ		PETPM	18.31						1			
CLO PETPB 386.88 CLO PETPB 5.45 CLO PETPB 5.45 CLO PETPB 10.32 CLO PETPB 13.21 CLO CLO CLO PETPB 13.21 CLO CLO CLO PETPB 13.21 CLO CLO CLO CLO PETPB 13.21 CLO CLO CLO CLO CLO PETPB 13.21 CLO CLO CLO CLO CLO PETPB 13.21 CLO	Physical Collocation - Powe	r -48V DC Power, per Fused Amp				PE1PL	8.32						Ī			
CLO PETFB 5.46 CLO PETFC 16.37 CLO PETFC 16.37 CLO PETFC 16.37 CLO PETFC 10.32 CLO PETFC 2.26 CLO PETFC 2.26 CLO PETFC 2.26 CLO PETAY 0.0224 CLO PETAY 0.0234 CLO PETAY 0.0224 CLO PETAY 0.0234 CLO PETAY 0.0224 CLO PE	Physical Collocation - Powe	r Reduction, Application Fee	-			PE1PR	336.88									
CLO PEIFE 16.37 CLO PEIFE 16.37 CLO PEIFG 37.80 11.94 CLO CLO PEIPG 37.80 11.94 CLO PEIPG 37.80 CLO PEIPG 18.10	Physical Collocation - 120V,	, Single Phase Standby Power Rate				PEIFB	5.45									
CLO PETFE 16.37 CLO DETFE 16.37 CLO LEANL, UEA, UDA, UPETPT 1.04 CLO PETA 0.0636 CLO PETA 1.04 CLO PETA 18.21 CLO PETA 18.21 CLO PETA 18.21 CLO PETA 18.21 CLO PETA 18.30 CLO PETA 18.10 CLO PETA 1	Physical Collocation - 240V.	Single Phase Standby Power Bate				7E1F0	40.00									
CLO PEFFE 16.37																
CLO DETECT 0.0318 11.94 CLO CLO CLO DETECT 1.04 CLO DETECT 1.04 CLO DETECT 1.04 CLO DETECT 1.05 CLO DETECT 1.0	Physical Collocation - 120V.	Three Phase Standby Power Rate				Eit.	16.37					1				
UEANL, UEA, UDA, UDPETPP	Physical Collocation - 277V,	Three Phase Standby Power Rate			95	2E1FG	37.80									
CLO	Physical Collocation - 2-Win	e Cross-Connects			UEANL, UEA, UDN, UD	E1P2	0.0318	11.94								
CLOUDEANL, UECA, WIPEPP1 1.04 21.39 CLO PETP2 1.22 20.28 CLO PETP2 2.68 20.28 CLO PETP4 18.10 CLO PETP4 18.10 CLO PETAY 0.0274 27.50 CLO PETAY 0.0579 27.50 CLO PETAY 0.0579 27.50 CLO PETAY 0.0579 27.50 CLO PETAY 18.10 CLO PETAY 19.10 CLO CLO PETAY 19.10 CLO CLO PETAY 19.10 CLO CLO PETAY 19.10 CLO CLO CLO PETAY 19.10 CLO CLO CLO CLO PETAY 19.10 CLO	Physical Collocation - 4-Win	e Cross-Connects			CLO	PE1P4	0.0636	12.04								
CLO PETE 2.02 20.28	Physical Collocation - DS1	Cross-Connects			CLO, UEANL, UEQ.W.	E P	8,2	21.30								
CLO PETF4 4,66 24,81 CLO PETOW 18,10 CLO PETAN 0,0224 CLO PETAN 0,0224 CLO PETAN 0,0279 27,50 CLO PETAN 2,264 CLO PETAN 3,01 CLO PETAN 3,01 CLO PETAN 3,01 CLO PETAN 3,01 CLO PETAN 1,044,07 1,04 UEANL, UEA, UDN, UPPETPF 0,158 UEANL, UEA, UDN, UPPETPH 3,95 UEANL, UEA, UDN, UPPETPH	Physical Collocation - 2-Fibe	er Cross-Connect			200	2112	13.21	20.28				1	1			
GLO PEIBW 184.50 GLO PEIAY 0.0224 GLO PEIAY 0.0579 27.50 GLO PEIAR 22.64 27.50 GLO PEIAR 22.64 27.50 GLO PEIAR 22.64 27.50 GLO PEIAR 13.01 1 GLO PEIAR 1,301 1 GLO PEISR 0.078 1,044.07 1.04 UEANLUEA,UDA, UIPETPE 0.078 1,12 1.12 UEANL, UEA, UDA, UIPETPE 3.35 1.12 1.12 UEANL, UEA, UDA, UIPETPE 3.35 1.12 1.12 UEANL, UEA, UDA, UIPETBE 3.35 3.35 1.12	Physical Collocation - 4-Fibe	er Cross-Connect		Ī		を存む	4.65	24.81					1			
CLO PEIAY 0.0579 27.50	Physical Collocation - Weldk	ed Wire Cage - First 100 Sq. Ft.		Í		2E1BW	184.50						T			
CLO PEIAY 0.0224 CLO PEIAH 0.0579 27.50 CLO PEIAH 7.74 7.74 CLO PEIAH 13.01 1 CLO PEIAH 13.01 1 CLO PEIAH 13.01 1 CLO PEISH 1,044.07 1,044.07 UEANL, UEA, UDN, UPPETPE 0.7156 1,12 UEANL, UEA, UDN, UPPETPE 0.7156 1,12 UEANL, UEA, UDN, UPPETPE 3.36 1,12 UEANL, UEA, UDN, UPPETPE 3.36 1,12 UEANL, UEA, UDN, UPPETPE 3.36 1,12	Physical Collocation - Welck	ed Wire Cage - Add'l 50 Sq. Ft.				EICW	18.10									
CLO PETAT 0.0579 27.50 CLO PETAR 7.74 CLO PETAR 22.64 CLO PETAR 13.01 CLO PETAR 13.01 CLO PETAR 13.01 CLO PETAR 13.01 UEANL, UEA, UDN, UF PETPF 0.158	Assignable So Ft	my system Fer Central Office Fer				Σ-14V	0.0024									
CLO PETAT 0.0579 27.50 CLO PETAR 22.64 3 CLO PETAR 32.01 CLO PETAR 13.01 CLO PETAR 13.01 CLO PETAR 13.01 UEANL, UEA, UDN, UF PETPE 0.158	Physical Collocation - Secur	rity Access System - New Access		Γ									T	1		
CLO PEIAR 7.74 CLO PEIAR 22.64 CLO PEIAR 13.01 CLO PEIAR 13.01 CLO PEIAR 13.01 CLO PEIAR 13.01 LEANL, UEA, UDA, UFE PF 0.158 UEANL, UEA, UDA, UFE PF 0.158 UEANL, UEA, UDA, UFE PF 3.356 UEANL, UEA, UDA, UFE PF 3.356 UEANL, UEA, UDA, UFE PF 3.356	Card Activation, per Card					EIAI	0.0579	27.50								
CLO PEIAR 22.64 2 CLO PEIAL 13.01 1 CLO PEIAL 13.01 1 CLO PEISR 1,044.07 1,04 UEANL, UEA, UDN, UFFEIPF 0,158 1 UEANL, UEA, UDN, UFFEIPH 9,36 1 UEANL, UEA, UDN, UFFEIPH 9,36 1 UEANL, UEA, UDN, UFFEIRE 33.96 1 UEANL, UEA, UDN, UEA,	Physical Collocation-Securit Change, existing Access Ca	ly Access System-Administrative and, per Card				ZE1AA		7.74	7.74							
CLO PEIAK 32.04	Physical Collocation - Secur	rity Access System - Replace Lost or														
CLO PEISR 1301 CLO PEISR 1,044.07 CLO PEISR 1,044.07 UEANL,UEA,UDN,UFFEIPF 0.158 UEANL,UEA,UDN,UFFEIPF 0.158 UEANL,UEA,UDN,UFFEIPH 9.36 UEANL,UEA,UDN,UFFEIPH 9.36 UEANL,UEA,UDN,UFFEIPH 9.36	Stolen Card, per Card	the Account Indial Van cost Kee		Ť		EIAR		22.64	20.00			1				
CLO PE1AL 13.01	Physical Collocation - Secur	riv Access - Key, Replace Lost or		T		1 N		13.01	13.01			1	T	1		
CLO PEISR	Stolen Key, per Key					ZE1AL		13.01	13.01							
UEANLUEAUDNUUPEIPE UEANLUEAUDNUUPEIPE UEANLUEAUDNUUPEIPE UEANLUEAUDNUUPEIPE UEANLUEAUDNUUPEIPE	Physical Collocation - Space	e Availability Report per premises				E1SR		1,044.07	1,044.07							
L-Wire Gross-Connect, UEANL, UEA, UDN, UCPETPF DS1 Gross-Connect, UEANL, UEA, UDN, UCPETPG DS3 Gross-Connect, UEANL, UEA, UDN, UCPETPH E-Fiber Gross-Connect, UEANL, UEA, UDN, UCPETB2 L-Fiber Gross-Connect, UEANL, UEA, UDN, UCPETB2	POT Bay Arrangements pric	or to 6/1/99 - 2-Wire Cross-Connect,			- **	E1PE	0.000									
DS1 Cross-Connect, UEANI, UEA, UDN, UPPETPT DS3 Cross-Connect, UEANI, UEA, UDN, UPPETPT Fiber Cross-Connect, UEANI, UEA, UDN, UPPETB2 Fiber Cross-Connect, UEANI, UEA, UDN, UPPETB2	POT Bay Arrangements pric	or to 6/1/99 - 4-Wire Cross-Connect,		Γ									T			
DS3 Cross-Connect, UEANI, UEA, UDN, UCPETPG DS3 Cross-Connect, UEANI, UEA, UDN, UCPETPH E-Fiber Cross-Connect, UEANI, UEA, UDN, UTPETB2 UEANI, UEANI, UEA, UDN, UTPETB4	per cross-connect	0 00 Williams		1	97	E PF	0.158					1	1			
DS3 Cross-Connect, UEANI, UEA, UDN, UPPETPH 2-Fiber Gross-Connect, UEANI, UEA, UDN, UPPETB2 4-Fiber Gross-Connect, UEANI, UEA, UDN, UPPETB4	per cross-connect	7 10 Q 1/59 - LO 1 Gross-Comer.				E1PG	1.12			7			:			
P-Fiber Gross-Connect, UseANL, USA, UDN, UPFE1PH USANL, USANL, USA, UDN, UPFE1B4 USANL, USA, UDN, UPFE1B4	POT Bay Arrangements prio	r to 6/1/99 - DS3 Cross-Connect,		ľ	1							-				9
UEANI, UEA, UDN, UIPE182 UEANI, UEA, UDN, UIPE184	POT Bay Arrangements prior	y to 6/1/99 - 2-Fiber Cross-Connect.		T	= 1	H	S.	1	1			1	1			
4-Fiber Gross-Cannect, UEANI, UEA, UDN, UIPE 184	per cross-connect				ď	7E1B2	33.96									
	POT Bay Arrangements prio	r to 6/1/99 - 4-Fiber Cross-Connect,			HEAN HEALINN SINK	751B4	8	-								
Poladi Olio	Collocation Cable Records	- Der reguest		T	010	P P	10.97					1		1		

COLLOCATION - Louisiana

COLLOCA	COLLOCATION - Louisiana								***************************************							
													#	Attachment: 4		Exhibit: D
CATEGORY	RATE ELEMENTS	af e	Some	S	nsoc			RATES (\$)			Svc Order S Submitted S Elec N	Svc Order Mi Submitted C Manually Ei	Charge - Manual Svc Norder vs. Electronic- 1st	Charge - Manual Svc Order vs. Electronic- Add ¹	Charge - Manual Svc Order vs. Electronic- Disc 1st	Charge - Manual Svc Order vs. Electronic- Disc Add'i
						28	Nonrecurring	urring	Nonnecurring	Disconnect			OSS RA	ATES (\$)		
	Collocation Cable Records - VG/DS0 Cable, per cable record		G _O		PEICD	5.29	First	Addīl	First	Add'i	SOMEC	SOMAN	SOMAN	IAN SOMAN	SOMAN	SOMAN
	Collocation Cable Records - VG/DS0 Cable, per each 100 pair		<u> </u>		PEICO	800										
	Collocation Cable Records - DS1, per T1TIE		9		PEICI	004										
	Collocation Cable Records - DS3, per 1311E	1	800		PEIG	0.13										
	Physical Colocation - Security Escort - Basic, per Half Hour		38	CO.CLORS	PE18T	1.37	16.44	10.42								
	Physical Collocation - Security Escort - Overtime, per Half Hour		g	CLO,CLORS	PE1OT		21.41	13.45								
	Physical Colocation - Security Escot - Premium, per Half Hour		9	CLO,CLORS	PE1PT		26.38	16.49								
	Physical Collocation - Co-Carrier Cross Connects - Fiber Cable Support Structure, per cable, per linear ft.		9		PE1ES	0.0024										
	Physical Collocation - Co-Carrier Cross Connects - Copper/Coal Cable Support Structure, per cable, per lin. ft.		9		PEIDS	96000										
	Physical Collocation - Co-Carrier Cross Connects - Application Fee per application		2		DEADL		06.763									
ADJACENT C	ADJACENT COLLOCATION						200.73									
	Adjacent Collocation - Space Charge per Sq. Ft.		CLOAC		PETJA	0.0552										
	Adjacent Collocation - 2-Wire Cross-Connects		CLOAC	2 Q	PEPS	0.0245	20.5	11.46				1				
	Adjacent Collocation - 4-Wire Cross-Connects		A S	I'ndr'nd	PE1P4	0.0491	12.04									
	Adjacent Collocation - LS1 Cross-Comects Adjacent Collocation - DS3 Cross-Comects	1	300	CLOAC AC	F. 12	13.01	21.30	15.47			1	-	1			
	Adjacent Collocation - 2-Fiber Cross-Connect		CLOAC	AC.	PETF2	2.20	2028					1	1			T
	Adjacent Collocation - 4-Fiber Cross-Connect		CLOAC		PE1F4	4.21	24.81									
	Adjacent Collocation - 120V, Single Phase Standby Power Rate	1	1			+	1,385.60					1				T
	per AC Breaker Amp Adjacent Collocation - 240V Storila Phase Standtw Power Bate		CLOAC		PE1FB	5.45										
	per AC Breaker Amp		CLOAC		PETFD	10.92										
	Adjacent Collocation - 120V, Three Phase Standby Fower Rate per AC Breaker Amp		CLOAC		PEIFE	16.37										
	Adjacent Collocation - 277V, Three Phase Standby Power Rate per AC Breaker Amp.		CLOAC		PE1FG	37.80										
PHYSICAL CO	PHYSICAL COLLOCATION IN THE REMOTE SITE Physical Collocation in the Remote Site - Application Fee	1	CO		PETRA		08 80	208 80								
	Cabinet Space in the Remote Site per Bay/ Rack		CLORS		PE1RB	225.39										
	Physical Collocation in the Remote Site - Security Access - Key		CLORS		PETRO		13.01	13.01								
	Physical Collocation in the Remote Site - Space Availability Report per Premises Requested		CLORS		PEISH		112.52	112.52								
	Physical Collocation in the Remote Site - Remote Site CLL Code Request, per CLL Code Requested		200		PE1RE		36.47	36.47								
PHYSICAL CC	Remote Site DLEC Data (BRSDD), per Compact Disk, per CO PHYSICAL COLLOCATION IN THE REMOTE SITE - ADJACENT		CLORS		PEIRR		233.21				#	\parallel	H		Ħ	
	Remote Site-Adjacent Collocation - AC Power, per breaker amp		CLORS		PEIRS	6.27								-		
	Remote Site-Adiacent Collocation - Real Estate, per square foot		<u> </u>		æ1RT	0.134										Ī
MOTE	Remote Site-Adjacent Collocation-Application Fee CLORS		CO		PEIRU	PE1RU 755.62	755.62	755.62			H	H	\prod			
1121	II SOZNILY ERCAL GIRZOT AND I ENGINOMING FORD NOWING IN	Name of the last	I INTO CO		TIG PRILICE W	III INDIONALO DA	POPULE I BED				1	1	1			

COLLOCAT	COLLOCATION - Mississippi														
			-												Exhibit: D
Vateo	RATE ELEMENTS	interial in	Zone	SS BCS	nsoc			RATES (\$)			Svc Order Svc Order Submitted	incremental Charge - fer Manuel Svc and Order vs.	Charge -	Incremental Charge - Manual Svc	Incremental Charge - Manual Svc
CAIEGOHT														Electronic- Disc 1st	Electronic- Disc Add'i
						28	Nonrecur		Nonrecurring	Disconnect		88	RATES (S)		
			\dagger				First	Ę.	First Add'I	Addi	SOMEC SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
PHYSICAL COLLOCATION	LLOCATION		+						T						
1	Physical Collocation - Application Fee - Initial Physical Collocation - Application Fee - Initial		S	CIO	PE1BA		1,890.38		0.051						
	Physical Collocation - Space Preparation - Firm Order	I	3	3	4		20°/c,	+	0.51						
	Processing		0	CO	PEISJ		604.19								
	Physical Collocation - Space Preparation - C.O. Modification per square ft.	_	_ 0	GIO.	PE1SK	030									
	Physical Collocation - Space Preparation - Common Systems	Į.	1	0.00	100										
	Physical Colocation - Space Preparation - Common Systems	1	1	3	75	200	+		T						
	Modification per Cage		0		PE1SM	85.67									
	Physical Collocation - Cable Installation Physical Collocation - Elous Space per So Et		<u> </u>		PE180	76.3	926.27	926.27	22.62						
	Physical Collocation - Cable Support Structure		300		PEIPM	17.42	1	+			-	1			
	Physical Collocation - Power 48V DC Power, per Fused Amp Physical Collocation - Power Berturition Application Fee		0	000	PE1PL	7.33									
	in incompanies in a second	İ	+			27.00									
	Physical Collocation - 120V, Single Phase Standby Power Rate	1	ਰ	CLO	PE1FB	5.29									
	Physical Collocation - 240V, Single Phase Standby Power Rate	-	ਰ	αo	PE1FD	10.58									
	Physical Collocation - 120V, Three Phase Standby Power Rate	_	G.O	Q	PETE	15.87	<u>, </u>								
	Physical Collocation - 277V. Three Phase Standby Power Bate	-	2	C	PF1EG	36.65									
	Physical Collocation - 2-Wire Cross-Connects		<u>当</u>	ANL UEA, UDN, UE	PEIPZ	0.0288	12.37	11.87	6.04	5.45					
	Physical Collocation - 4-Wire Cross-Connects		g	O	PE1P4	0.0576	12.47	136	6.59	5.91					
	Physical Collocation - DS3 Cross-Connects	f	<u> </u>	O, DEANL, DELY, W	PE123	14.49	21012	15.20	7.61	5.97	-				
	Physical Collocation - 2-Fiber Cross-Connect	$\ $	Ö	Q	PE1F2	2.87	21.01	15.29	7.61	6.10					
	Physical Collocation - 4-Fiber Cross-Connect Physical Collocation - Welded Wire Cade - Eret 100 Sn. Pt	1	ಠ	0	PE1F4	5.10	25.70	19.97	10.01	8.50					
	Physical Colocation - Welded Wire Cage - Add't 50 Sq. Ft.		10	GO	PETCW	17.97						1			
	Physical Collocation - Security Access System - Security System oer Central Office	_	O E	C	DE14X	75.93									
	Physical Collocation - Security Access System - New Access		2				1								
	Physical Collocation-Security Access System-Administrative	+	1			0/000	8:73	8:73			-				
	Change, existing Access Card, per Card Physical Collocation - Security Access System - Replace Lost or	1	8		PEIM		28	7.82							
	Stolen Card, per Card		9		PE1AR		15.23	22.91							
	Physical Collocation - Security Access - Initial Key, per Key Denoiral Collocation - Security Access - Key, Boolean Lock or	†	8		PEIAK	+	13.17	13.17							
	Stolen Key, per Key		O C C		PE1AL		13.17	13.17							
	Physical Collocation - Space Availability Report per premises		CLO		PEISR		1,081.40	1,081.40							
	PUT bay Arrangements phor to 6/1/89 - 2-YMre Cross-Connect, per cross-connect			UEANIL UEA, UDN, UD	PE1PE	0.0867									
	POT Bay Arrangements prior to 6/1/99 - 4-Wire Cross-Connect,		┝┋		1000										
	POT Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect,	1	5			5	\dagger	ig	1						
	per cross-connect	+	3	JEANL, UEA, UDN, UD	PEIPG	1.22									
	POT bay Arrangements prior to or use - Los Cross-Connect, per cross-connect		3	UEANL, UEA, UDN, UD	PEIPH	10.91									300
	POT Bay Arrangements prior to 6/1/99 - 2-Fiber Cross-Connect, lost cross-connect			UEANI UEA UDN.UD	PETRO	37.26									
	POT Bay Arrangements prior to 6/1/99 - 4-Fiber Cross-Connect,		<u> </u>	ANI 11EA I IDN 11	2F-1P.4	5024									
	Collocation Cable Records - per request	$\ $	ಠ	CLO	PEICH		763.69		133.77					1	

581 of 804

Third Thir	Column C	COLLOCA	COLLUCATION - Mississippi														
This Zong Base	Mark Zone Mark Zone Mark Zone Mark Zone Z													Ā	tachment: 4		Exhibit: D
Table 1850 1800	1				-			•							Incremental	Incremental	Incremental
Column C	C C C C C C C C C C	CATEGORY				RSOC			RATES (5)			Svc Order Submitted	_	Manual Svc	Manual Svc	Charge -	Charge -
Color Fig1 Fig	Color Fig1 Fig											Elec	Manually	Electronic-	Electronic-	Order vs. Electronic	Order vs. Electronic-
CLO FEICO CO CO CO CO CO CO CO CO						Rec	Nonneca	imina	Nonnecumin	Disconnece		US - BA		Addi	Disc 1st	Disc Add'i	
CLOCK FEICH CLOCK FEIC	COLORS FEITH COLO	-	Collocation Cable Peronds - VG/DSO Cable per cable monday		0.00			First	Addi	First	Addi	_	COMPAN	OSSR	ATES (S)		
CLOACORS PEITOR 4,94 4,94 5,59 CLOACORS PEITOR 2,77 2,77 2,77 CLOACORS PEITOR 1,02 1,03 CLOACORS PEITOR 2,12 1,13 CLOACORS PEITOR 2,2 1,13 CLOACORS PEITOR 1,2 1,2 CLOACORS PEITOR 1,2	CLO PETO PETO 4,94 4,94 5,50 CLO PETO PETO 727 227 278 CLO PETO PETO 10,70 CLO PETO 10,70		Section of the Capital Record		OD.	<u> </u>		328.81		190.22		-	SVIII AL	SOMAN	NA SOL	SOMAN	SOMAN
CLOOK PEETS 2.27 2.27 2.28	CLO PEE(73 2.27	+	Collocation Cable Records - VG/DS0 Cable, per each 100 pair		go	PETCO		70 7	3				 -				
CLOCACIONS PERIOR PERIOR	CLOCATION PERIOR TASK	+	Collocation Cable Records - DS1, per TITIE		CLO	PE1C1		227	4.04	25.00							
CLOACORS PEIOT 15.04 77.56 7	CLOACORS PEICE 17.02 10.79 77.56	+	Collection Cable Records - DS3, per T3TIE		αo	PE1C3		207	787	2.78							
CLOCACORS PEIGT 17.02 16.75 15.34	CLOACORS PEIGT 17.02 10.75	\perp	Physical Collocation - Security Econol Business (17)		CLO	PETCB		8.38	84.98	3.72							
CLOACOPR PEINT 22.17 13.94	CLOCACHES PEINT 27.22 77.06		Section Control County Court - Dated, per Hair Hour	1	CLO,CLOPS	PEIBT		17.02	10.79			1	1				
CLOACOPE PEIPT CLOACOPE C	CLOACOPS PEIPT CLOACOPS C	+	Physical Collocation - Security Escort - Overtime, per Half Hour		CLO,CLORS	PEIOT		\$ 50	3			T			1		
CLO PEIES 0.0005 0.000	CLO PETES 0.0025 17.08		Physical Collocation - Security Court Bearing						5.0			1	1				
CLO PELDS O.0025 O.0025 O.0025 O.0027 O.002	CLO PELDS O.0025 O.0025 O.0025 O.0027 O.002	L	Physical Collocation - Co-Carrier Cross Connects - Fiber Cable		CLO,CLOPS	PEIPI		27.32	17.08					•			
CLONC PEIDS CLOST CLONC PEIPS CLOST CLOS	CLONC PEIDS CLOST Clos	+	Support Structure, per cable, per linear ft.		CLO	PETES	0.0025										
CLOAC PEIJA 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0037 0.0048 0.0	CLONC PEIJA 0.00878 0.0087 0.0088 0.		Figure Calocation - Co-Camer Cross Connects - Copper/Coax Cable Support Structure, per cable, per lin. ft.		0.5			-				†					
CLOAC PEIJA CLOAC CLOAC PEIJA CLOAC PEIPA CLOA	CLOAC PELIAL CLOE78 CLOAC PELIAL CLOE78 CLOAC PELIAL CLOE78 CLOAC PELIAL CLOE23 CLOAC CLOAC PELIAL CLOAC PEL		Physical Collocation - Co-Carrier Cross Connects - Application		3	7E7L/S	0.0037										
CLOAC PELIA 0.0678 12.37 11.87 6.04 CLOAC PELIC 0.0623 12.37 11.87 6.04 CLOAC PELIS 0.0446 12.47 11.84 6.50 CLOAC PELIP3 14.27 22.16 16.28 6.50 CLOAC PELIP3 14.27 22.16 15.29 7.61 CLOAC PELIP3 14.27 22.10 15.29 7.61 CLOAC PELIP3 4.62 22.70 15.86.80 7.61 CLOAC PELIP3 10.29 15.86.80 7.61 CLOAC PELIP3 10.29 15.86.80 7.61 CLOAC PELIP3 21.00 21.00 21.00 CLOAC PELIP3 23.01 23.77 23.77 CLOAS PELIP3 23.01 23.01 CLOAS PELIP3 23.01	CLOAC PELIA 0.0678 12.37 11.87 6.04 CLOAC PELIC 0.0623 12.37 11.87 6.04 CLOAC PELIC 0.0623 12.47 11.87 6.04 CLOAC PELIP 0.046 12.47 11.94 6.59 CLOAC PELIP 0.046 12.47 11.94 6.59 CLOAC PELIP 0.046 22.10 15.29 7.61 CLOAC PELIP 0.042 23.70 19.97 10.01 CLOAC PELIP 0.59 1.586.89 0.51 CLOAC PELIP 10.59 1.586.89 0.51 CLOAC PELIP 10.59 1.586.89 1.566.8 CLOAC PELIP 210.05 116.54 116.54 CLOAC PELIP 210.05 116.54 116.54 CLOAC PELIP 23.10 116.54 116.54 CLOAC PELIP 23.10 116.54 116.54 CLOAC PELIP 23.10 23.17 23.17 CLOAS PELIP 23.10 23.14 23.17 23.17 CLOAS PELIP 23.10 23.17 23.17 23.17 CLOAS PELIP 23.10 23.17 23.17 23.17 23.17 23.14 23.17	ACENT CO	Fee, per application		CLO	PE1DT		534.65			-						
CLOAC PEIJA 0.0678 12.37 11.87 6.04 12.04C PEIJA 0.0628 12.37 11.87 6.04 12.04C PEIPA 0.0648 12.47 11.94 6.69 6.60 12.04C PEIPA 0.0648 12.47 11.94 6.69 6.60 12.04C PEIPA 4.62 22.01 15.29 7.61 12.00C PEIPA 4.62 22.01 12.00C 12.00C PEIPA 4.62 22.01 12.00C 12.00C PEIPA 4.62 22.00 12.00C 12.00C 12.00C 12.00C PEIPA 10.29 12.00C 12.00	CLOAC PEILA 0.0678 12.37 11.87 6.04 CLOAC PEILA 0.0428 12.37 11.87 6.04 CLOAC PEIPA 0.0446 12.47 11.94 6.69 CLOAC PEIPA 0.0446 12.47 11.94 6.69 CLOAC PEIPA 4.62 22.16 15.29 7.61 CLOAC PEIPA 4.62 23.01 15.29 7.61 CLOAC PEIPA 4.62 23.01 15.29 7.61 CLOAC PEIPA 4.62 23.01 15.29 7.61 CLOAC PEIPA 5.29 13.17 13.17 CLOAC PEIPA 23.048 168.63 CLOAC PEIPA 210.05 13.17 13.17 CLOAS PEIPA 23.048 168.63 CLOAS PEIPA 23.048 23.04 CLOAS PEIPA 23.048 23.048 CLOAS PEIPA 23.04		Adjacent Collection - Space Champare E. F.	1								T	1				
CLONG PETPS CLONG CLON	CLONG PEIPS 12.37 11.87 6.04 CLONG PEIPS 12.47 11.94 6.59 CLONG PEIPS 14.27 21.01 15.29 7.61 CLONG PEIPS 2.42 21.01 15.29 7.61 CLONG PEIPS 5.29 1.585.83 0.51 CLONG PEIPS 2.42 21.01 10.40 CLONG PEIPS 2.42 21.01 10.40 CLONS PEIPS 2.40 2.40 11.654 CLONS PEIPS 2.40 2.40 11.654 CLONS PEIPS 2.40 2.40 2.40 CLONS PEIPS 2.40 2.40 2.40 CLONS PEIPS 2.40 2.40 2.40 2.40 2.40 CLONS PEIPS 2.40 2.40 2.40 2.40 2.40 CLONS PEINS PEINS 2.40 2.40 2.40 2.40 CLONS PEINS PEINS 2.40	-	Adiacent Colocation - Electrical Facility Chame per linear E-	1	CLOAC	PE1JA	0.0678					\dagger	1	1	1		
UEALMALUDAL OFFINA OLIVES 11.87 6.04 11.87 6.04 11.87 6.04 11.87 11.87 6.04 11.87 6.04 11.87 6.04 11.87 11.87 6.04 11.87 11.87 6.04 11.87	USA, CIACHAL, UDA, UCL, QPETINA		Adjacent Collocation - 2-Wire Cross-Connects	\dagger	S O SC	PETJC PETPS	89.4						1	1	1	1	
USI, CLOAC PEIPP1 1,06 22.16 16,02 6,00 CLOAC PEIPP2 14,27 21,01 15,29 7,61 CLOAC PEIPP2 14,27 21,01 15,29 7,61 CLOAC PEIPP2 4,42 22,10 15,29 7,61 CLOAC PEIPP2 5,29 1,566.89 0,51 CLOAC PEIPP2 10,59 10,59 10,50 CLOAC PEIPP2 10,59 10,59 10,50 CLOAC PEIPP2 24,2 25,70 16,50 10,51 CLOAC PEIPP2 10,59 10,50 10,50 10,50 CLOAC PEIPP2 210,05 230,48 116,54	USI, CLOAC PEPP1 1,06 22.16 11,08 6.00 CLOAC PEPP3 14,27 21,01 15,29 7.61 CLOAC PEPP3 14,27 21,01 15,29 7.61 CLOAC PEPP3 4,62 25,70 15,50 7.61 CLOAC PEPP3 10,59 15,50 7.61 CLOAC PEPP3 21,00 13,17 37,77 CLOAC PEPP3 210,00 13,17 37,77 CLOAS PEPP3 233,14 37,77 37,77 CLOAS PEPP3 233,14 755,62 755,62 CLOAS PEPP3 755,62 755,62 CLOAS 755,62 755,62 755,62 CLOAS 755,62 755,62 755,62 CLOAS 755,62 755,62 755,62 755,62 CLOAS 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62 755,62		Adjacent Collocation - 4-Wire Cross-Connects		UEA.UHL.UDL.UC	-10	0.048	12.37	14.87	6.04	5.45					Ī	
CLOAC PETP3 14,27 2101 15,29 761 16,000 1	CLOAC PEIP3 14,27 2101 15,29 761 CLOAC PEIP4 462 25,101 15,29 761 CLOAC PEIP4 462 25,101 15,29 761 CLOAC PEIP4 462 25,101 15,29 10,01 CLOAC PEIP4 5,29 1,585,89 0,51 CLOAC PEIP6 10,59 10,59 10,59 CLOAC PEIP6 36,66 10,59 16,50 CLOAC PEIP6 36,66 10,50 10,50 CLOAC PEIP6 210,00 13,17 13,17 13,17 CLOAS PEIP8 230,14 230,14 16,54 16,54 CLOAS PEIP8 230,14 16,54 16,54 16,54 CLOAS PEIP8 6,27 230,14 16,54 16,	\int	Adjacent Collocation - DS1 Cross-Connects		USLCLOAC		8.	22.16	2 9	200	283	1					
CLOAC PETEZ 2.42 21.01 15.29 7.61	CLOAC PETEZ 2.42 21.01 15.29 7.61		Adiacent Collocation - 2-Finar Cross-Connects	+	CLOAC	PE1P3	14.27	21.01	15.29	7.61	6.10	+	1				
CLOAC PEITE 4.62 25.70 19.97 10.01	CLOAC PETR 4.02 25.70 19.97 10.01		Adjacent Collocation - 4-Fiber Cross-Connect	\dagger	CLOAC	PE1F2	2.42	21.01	15.29	7.61	6.10		\dagger	1	1		
CLOAC PEIFE 5.29 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.587 1.	CLOAC PEIFE 5.29 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.585.83 1.587		Adjacent Collocation - Application Fee	\dagger	CLOAC	PE154	8	25.70	19.97	10.01	9.50		1	Ī	T		1
CLOAC PEIFE	CLOAC PEIFE 5.29		Adjacent Collocation - 120V, Single Phase Standby Power Rate			TE IND		1,585.83	1	0.51							
CLOAC PEIFE 10.56	CLOAC PEIFE 10.58	\int	Adjacent Collection 240V Strait Description	1	CLOAC	PE1FB	5.29										
CLOAC PEIFE 15.87 10.00 10.0	CLOAC PEIFE 15.87		per AC Breaker Amp			000								T	1	1	
CLOAC PEIFE 15.87	CLOAC PEIFE 15.87		Adjacent Collocation - 120V, Three Phase Standby Power Rate	f	2000		10.00										
CLOAC PEIFG 36.65	CLOAC PEIFG 36.65		per AC Breaker Amp Adjacent Collocation - 277/ Thron Dhane Sharettee	1	CLOAC	PEIFE	15.87										Ī
CLORS PEIRA 309.48	CLORS PEIRA 309.46		per AC Breaker Amp		29082	00100	-								1	1	
CLORS PEIRA 309.48	CLORS PEIRA 210.05 309.48	CALCOL	LOCATION IN THE REMOTE SITE				8		+							-	-
CLORS PEIRB 210.05 13.17 13.	CLORS PEIRD 13.17 13.1	\prod	Physical Collocation in the Remote Site - Application Fee		CLORS	PE1RA		309.48		168.63	1	+	1				
CLORS PEIRD 13.17	CLORS PEIRD 13.17		Carrier Chare it the remake She per Bay was	1	CLORS	PEIRB	210.05							1			
CLORS PETER 116.54	CLORS PEISR 116.64 CLORS PEIRE 37.77 CLORS PEIRS 6.27 CLORS PEIRT 0.134 CLORS PEIRT		Physical Collocation in the Remote Site - Security Access - Key		CLORS	PEIRD		45 47	5					t		1	I
CLORS PETRE 37.77 116.54	CLORS PETRE 37.77 116.54		Physical Collocation in the Remote Site - Space Availability	_				71.50	13.17								
CLORS PEHRE 37.77	CLORS PETRE 27.77		Physical Collocation in the Remote Site . Remote Site 711	\dagger	CLORS	PEISR		116.54	116.54							_	
CLORS PEIRS E.27	CLORS PETRS 238.14		Code Request, per CLLI Code Requested		CLORS	PEIRE		32	2				-				T
CLORS PETRS 6.27	CLORS PEIRS 6.27 CLORS PEIRT 0.134 CLORS PEIRU 755.62 COORS PEIRU 755.62	OV IV	Hemote Site DLEC Data (BRSDD), per Compact Disk, per CO	H	CLORS	PEIRR		233.14	37.76		1	+	1				
			POSTIGATION THE REMOTE STE-ALMCENT	\dagger							l		\dagger	T	-	1	
			Remote Site-Adjacent Collocation - AC Power, per breaker amp		CLORS	PE1RS	6.27						-			1	
			Remote Site-Adjacent Collocation - Real Estate, per source foot	-		į.			 	 			+	1	1	1	
			Pemote Site-Adjacent Collocation Application Fee	\dagger	CLORS	N SE	0.134	765 83	25.6								
		NOTE: 1	Security Escort and/or Add't Engineering Fees become naces	sary for r	emote site collocation,	the Parties w	ili necotiste acor	Confete refee	/30.66	1		+				-	Ī

COLLOCAT	COLLOCATION - North Camilina														
											+	Attac	Attachment: 4		Exhibit: D
CATEGORY	RATE ELEMENTS	interi E	Zone BCS	osn			RATES (\$)			Svc Order Svc Submitted Sub Elec Mar	Svc Order Manus Submitted Ord Manusly Elect	Incremental Inc Charge - C Manual Svc Ma Order vs. O Electronic Els	Charge - Manual Svc In Order vs. Electronic- E	Charge - Manual Svc Order vs. Electronic- Disc 1st	Charge Manual Svc Order vs. Electronic- Disc Addit
					ž	OJU C	Ē	Nonrecurring Disconnect	Disconnect	1 1		OSS RAT	TES (\$)	1	
				1		E SE	Addi	Ĕ	Add"I	SOMEC SO	SOMAN SO	SOMAN SOMAN	SOMAN	SOUTAN	SOMAN
PHYSICAL COLLOCATION	PLOCATION										1	1		1	
	Physical Collection - Application Fee - India]	950	PEIBA		3,850.00	3,850.00								Ī
	Physical Collocation - Space Preparation - C.O. Modification ner		200	PE 10	1	3,119.00	3,119.00								
	square fi.	-	OD)	PETSK	1.57										
	Physical Collocation - Space Preparation - Common Systems Modification per square ft Caceless	-	Ç	DE4CI	900						-				
	Physical Collocation - Space Preparation - Common Systems				070						+	1	1		
	Space Preparation Ease - Boung Day Monten 497 Po. Amar		000	PE1SM	110.79										-
	Physical Colocation - Cable Installation	-	900	PEFF	5.76	2000	0000								
	Physical Collocation - Floor Space per Sq. Ft.	E	OTO	PE1PJ	3.45	6,300.W	2,300.UU			+	1	+			
	Physical Collocation - Cable Support Structure Physical Collocation - Dougs Act NC Boung and Energy Act	1	OD OD	PE1PM	21.33								\mid		
	Physical Collocation - Power Reduction, Application Fee	$\overline{\mathbb{H}}$	010	PEIPR	399.13					-					
	Physical Collocation - 120V, Single Phase Standby Power Rate	_	OTO	PE1FB	5.50								T		
	Physical Collocation - 240V, Single Phase Standby Power Rate	-	O'O	PE1FD	11.01						-				
	Physical Collocation - 120V. Three Phase Standby Power Bate	_	C	PEAFF	ă,							-			
	F Charles and the state of the			1						+		-	1	1	
	Physical Collocation - 2//V, Infee Phase Standby Power Rate Physical Collocation - 2-Wire Cross-Connects	-	CLO UEANI LIEA LIDA	PE1FG	88 51 52	41.70	8000			+					
	Physical Collocation - 4-Wire Cross-Connects	E	CLO	PE1P4	190	41.91	39.25				+	$\frac{1}{1}$	1	1	
	Physical Collocation - DS1 Cross-Connects	-	CLO, UEANL, UEO	O,WDE1P1	2.34	71.02	51.08						\dagger	1	I
	Physical Collocation - 2-Fiber Cross-Connect	-	000	PE1P3	42.84	28.82	49.43								
	Physical Collocation - 4-Fiber Cross-Connect		CLO	PE1F4	5.62	64.53	51.15			 	1	$\frac{1}{1}$	\dagger	1	
	Physical Collocation - Welded Wire Cage - First 100 Sq. Ft. Physical Collocation - Welded Wire Cage - Add'l 50 Sq. Ft.	}	000	PE1BW	102.76							H			
	Physical Collocation - Security Access System - Security System	-	2							-	+		-		
	Physical Collocation - Security Access System - New Access	1	2	PETAX	41.03	1				+	+	$\frac{1}{1}$	1	1	
	Card Activation, per Card		CLO	PE1A1	0.062	55.30	55.30					-			
	Change, existing Access Card, per Card	-	CLO	PE1AA	٨	15.51	15.51		-						
	Physical Collocation - Security Access System - Replace Lost or Stolen Card, per Card		OTO	PE1AR		45.34	45.94			_					
	Physical Collocation - Security Access - Initial Key, per Key		CLO	PE1AK		26.18	26.18					+	+	1	
	Physical Collocation - Security Access - Key, Replace Lost or Stolen Key, per Key		020	DE1A1		98-48	ac c					-		-	
	Physical Collocation - Space Availability Report per premises	Ħ	CLO	PEISR		2,140.00	2,140.00	+			+	+	+	1	T
	POT Bay Arrangements prior to 6/1/89 - 2-Wire Cross-Connect, per cross-connect		UEANL UEA UDN 1	N.UDPE1PE	0.10							_			T
	POT Bay Arrangements prior to 6/1/99 - 4-Wire Cross-Connect,		I IEANII I IEA I MA	1001								+	+	T	
	POT Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect,	+	DEAN, DEA, GON, C	N.OGPETPF	0.19	1	1		+	1	+	+	1	1	\exists
	per cross-connect		UEANL, UEA, UDN, L	NUDPETPG	0.79						_				
	POT eay Arrangements prior to or use - Loss Cross-Connect, per cross-connect		UEANI, UEA, UDN, L	N,UDPE1PH	4.85									'	
	POT Bay Arrangements prior to 6/1/99 - 2-Fiber Cross-Connect, per cross-connect		UEANL UEA UDN	V LIDPETR2	45.30						_		-		T
	POT Bay Arrangements prior to 6/1/99 - 4-Fiber Cross-Connect, per cross-connect		UEANL LIEA LIDA	11 III PE184	8		2					+	$\frac{1}{1}$	+	T
	Collocation Cable Records - per request	\parallel	CLO	PETCR	1 200	1,707.00			T	+	+	+	+	\dagger	T
	Collocation Cable Records - VG/DS0 Cable, per cable record	П	010	PE1CD		923.08	H	H		H	H		$\ $	\parallel	\prod

CATEGORY Collocation Cable I Physical Collocation Physical Collocation Physical Collocation Physical Collocation Support Shructure I Physical Collocation Support Shructure I Physical Collocation Tealle Support Shructure I Tealle Shructure I Tealle Shructure I Tealle Shructure I Tealle Shructure	RATE ELEMENTS Collocation Cable Records - VG/DS0 Cable, per each 100 pair follocation Cable Records - DS1, per 1711E Collocation Cable Records - DS3, per 1711E Collocation Cable Records - DS3, per 1711E Collocation Cable Records - Exer Cable, per 98 fiber records Physical Collocation - Security Escort - Beate, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour Physical Collocation - Security Escort - Premium, per Half Hour	m mteri z	Zone	RSOC								ncremental			
CATEGORY Collocation Physical Col Physi	Cable Records - VG/DS0 Cable, per each 100 pair Cable Records - VG/DS0 Cable, per each 100 pair Cable Records - DS1, per 1711E Cable Records - DS2, per 1711E Cable Records - ENG For Cable, per 98 fiber records lifecation - Security Escort - Resic, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Security Escort - Premium, per Half Hour Ucotation - Security Escort - Premium, per Half Hour Litture, per cable, per linear ft. Nocation - Co-Caminer Cross Connects - Fiber Cable Litture, per cable, per linear ft. Nocation - Co-Caminer Cross Connects - Fiber Cable Incition - Co-Caminer Cross Connects - Fiber Cable Incition - Co-Caminer Cross Formers - Fiber Cable - Caminer Cross Formers - Caminer - Ca			nsoc									Incremental	Incremental	Incremental
CATEGORY Collocation Collocation Collocation Collocation Collocation Physical Col Cable Support Str	Cable Records - VG/DS0 Cable, per each 100 pair Cable Records - NG/DS0 Cable, per each 100 pair Cable Records - DS1, per Title Cable Records - DS2, per TSTIE Cable Records - Free Cable, per 198 fiber records incestion - Security Escort - Resic, per Half Hour Mocation - Security Escort - Premium, per Half Hour Micration - Security Escort - Premium, per Half Hour Micration - Security Escort - Premium, per Half Hour Micration - Security Escort - Premium, per Half Hour Micration - Co-Carrier Cross Connects - Fiber Cable Letture, per cable, per linear in the medial per linear in the medial per linear in the medial per line in the cable per line in the cable per linear in the						RATEC (C)		-	Sur Order	Sun Order	Charge.	Charge -	Charge -	Charge -
Collocation Colloc	Cable Records - VG/DS0 Cable, per each 100 pair Cable Records - DS1, per TTTE Cable Records - DS1, per TTTE Cable Records - DS2, per TTTE Cable Records - Ther Cable, per 89 fiber records illocation - Security Escort - Basic, per Half Hour Riccation - Security Escort - Premium, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Co-Canier Cross Connects - Fiber Cable Includes in the Include of Structure per cable, per linear in the Include of Structure per cable, per line in the Illocation - Co-Canier Cross Connects - Fiber Cable Illocation - Canier Cross Connects - Fiber Cable - Canier -												Order vs.	Order vs.	Menuel Svc Order vs.
Collocation Collocation Collocation Collocation Collocation Collocation Physical Collocation	Cable Records - VG/DSO Cable, per each 100 pair Cable Records - DS1, per 1711E Cable Records - DS2, per 1711E Cable Records - DS2, per 1711E Cable Records - Ther Cable, per 39 fiber records Recation - Security Escort - Basic, per Half Hour Recation - Security Escort - Overtime, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Co-Canier Cross Connects - Fiber Cable				-					Œ		1st	Electronic-	Electronic-	Electronic-
Collocation Collocation Collocation Collocation Collocation Physical Col Physical C	Cable Records - VG/DS0 Cable, per each 100 pair Cable Records - NS1 per T1TE Cable Records - DS3, per T1TE Cable Records - DS3, per T1TE Cable Records - TBS- per T3TE Cable Records - TB-er Cable, per 99 fiber records flocation - Security Escort - Basic, per Half Hour flocation - Security Escort - Overtime, per Half Hour flocation - Security Escort - Premium, per Half Hour flocation - Security Escort - Premium, per Half Hour flocation - Co-Carier Cross Connects - Fiber Cable flocation - Co-Carier Cross Connects - Fiber Cable flocation - Co-Carier Cross Connects - Copper/Cox flocation - Copper/Cox floca				Rec	Nonrecurring		Nonrecumba 1	Neconnect						
Colocation Colocation Colocation Colocation Colocation Colocation Physical Col Physical Col Physical Col Physical Col Physical Col Physical Col Cable Support Strut Physical Col Physical Col Physical Col Cable Support Strut Physical Col Physical Col Physical Col Cable Support Strut Ablace Col. LOSATION Adjacent Col Adjacent Col Adjacent Col	Cable Records - VG/DSO Cable, per each 100 pair Cable Records - DSI, per 1711E Cable Records - Best, per Half Hour Recation - Security Escort - Baste, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Security Escort - Premium, per Half Hour Recation - Co-Camer Cross Connects - Floor Cable Recation - Co-Camer Cross Connects - Floor Cable Recation - Co-Camer Cross Connects - Copper/Cox					First	Add'I	First Add'I	Addil	SOMEC	SOMAN	SOMEN	OSS RATES (S)	CONTAN	1
Colocation Colocation Colocation Physical Coli Physical Coli Physical Coli Physical Coli Physical Coli Cable Support Stru Physical Coli Physic	Cable Records - US1 per 111E Cable Records - US3, per 111E Cable Records - US3, per 131TE Cable Records - Ther Cable, per 99 fiber records Illocation - Security Escort - Basic, per Half Hour Illocation - Security Escort - Overtime, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Security Escort - Pre	L	CLO	PETCO		80	6,00				+-		TO MOS	SOE ALL	NOMEN
Colicostion Physical Col	Cable Records - Cost per 13 inc. Cable Records - Ther Cable, per 99 fiber records Rocation - Security Escort - Beac, per Half Hour Rocation - Security Escort - Overtime, per Half Hour Rocation - Security Escort - Premium, per Half Hour Rocation - Scariffy Escort - Premium, per Half Hour Rocation - Co-Camer Cross Connects - Fiber Cable Butture, per cable, per linear ft. Rocation - Co-Camer Cross Connects - Copper/Coax Rocation - Cop	1	CLO	PEICH		8.43	8 43	1	Ī	1	1				
Physical Col Physical Col Physical Col Physical Col Physical Col Support Struct Cable Support Physical Col Ph	llocation - Security Escort - Basic, per Half Hurr llocation - Security Escort - Overline, per Half Hurr llocation - Security Escort - Premium, per Half Hour llocation - Co-Cariner Cores Connects - Fiber Cable llocation - Co-Cariner Cores Connects - Fiber Cable llocation - Co-Cariner Cores Connects - Copper/Coax not Structure, per cable, per linear in the		000	PEICS		29.51	29.51			$\Big $	I	1			
Physical Coll Physical Coll Physical Coll Support Struct Cable Support Physical Coll P	llocation - Security Escort - Overtime, per Half Hour Ilocation - Security Escort - Premium, per Half Hour Ilocation - Oc-Cariner Cross Connects - Fiber Cable Letture, per cable, per linear ft. Ilocation - Oc-Cariner Cross Connects - Copper/Coax of Structure, per cable, per lin. It.	1	CLO	FF1CB		278.82	278.82				\dagger	T			
Physical Coll Physical Coll Physical Coll Support Structure Physical Coll Cable Support Structure Physical Coll Fee, per app	location - Security Escort - Overtime, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Security Escort - Premium, per Half Hour Illocation - Co-Camier Chass Connects - Fiber Cable Letture, per cable, per linear ft. Illocation - Ox-Camier Chass Formers - Copper/Coax of Silvation - Dec Cable per lin. It.	1	CLUCLONS	F18F		42.92	25.56								
Physical Coll Physical Coll Support Structure Physical Coll Cable Support Physical Coll Physical Coll Fee, per app Fee, per app ADJACENT COLL CCATTON Adjacent Coll Adjacent Coll Adjacent Coll	ilocation - Security Escort - Premium, per Half Hour Ilocation - Co-Cariner Cross Connects - Flor Cable Letture, per cable, per linear ft. Ilocation - Oc-Cariner Cross Formerts - Copper/Coax of Structure, per cable, per lin. Ilocation - Oc-Cariner Der cable, per lin. Ilocation - Oc-Cariner Der cable, per lin. Ilocation - Oc-Cariner - October Cross Formerts - Copper/Coax of Structure, per cable, per lin. Il		CLO,CLORS	PE10T		54.51	24.84								
ADJACENT COLLOCATION ADJACENT COLLOCATION ADJACENT COLLOCATION Adjacent Collocation Adjacent Collocation	location - Co-Carrier Cross Connects - Fluor Cable acture, accordate, per linear fit. llocation - Oc-Carrier Cross Formers - Copper/Coax of Structure, per cable per lin. it.		COCCORS	PE-IDT		1					1				
ADJACENT COLLOCATION Adjacent Col	Jours, per cable, per linear ft. location - Co-Carrier Cross Connects - Copper/Coax off Structure, per cable, per lin, ft.					00.00	88		1						
ADJACENT COLLOCATION ADJACENT COLLOCATION Adjacent Col	out Structure, per cable, per fin. ft.		CIO	PEIES	0.0028										
Physical Coli Fee, per app ADIACENT COLLOCATION Adjacent Col Adjacent Col	Continue Company Company		3	97.00						1	+		1		
ADJACENT COLLOCATION Adjacent Collocation Adjacent Collocation	Comment - Comment Cites Comments - Application	1	3	rents	0.0041	1	1						-		
Adjacent Col	nication		o g	PE1DT		539 79					-				
Adjacent Col		Н				7	1			+	+				
	llocation - Space Charge per Sq. Ft.			PE1JA	0.179			+			1				
Adjacent Col	location - 2-Wire Cross-Connecte	1		PE1JC	96. 22.			+			\dagger	1	1		
Adjacent Coli	location - 4-Wire Cross-Connects			122	0.32	41.78	39.23				-	l	1	1	
Adjacent Coll	location - DS1 Cross-Connects	\int	USI GIOAC	DE 104	2000	16.19	39.25					-	Ī		
Adjacent Col	Adjacent Collocation - DS3 Cross-Connects			PE1P3	18.27	28	51.08		1						
Adjacent Col	llocation - 2-Fiber Cross-Connect			PE1F2	294	51.97	38 20	1	1	1	+				
Adjacent Coll	Adiacent Colocation - Application Fee	+	CLOAC	PE1F4	5.62	64.53	51.15					1			
Adjacent Coll	Adjacent Collocation - 120V, Single Phase Standby Power Rate	+	CLUAN	1238		3,153.00					1			1	
per AC Breaker Amp	(er Amp		CLOAC	PE1FB	e e						_				
Adjacent Collocation	Adjacent Collocation - 240V, Single Phase Standby Power Rate	-			3						+				
Adjacent Coll	Adjacent Collocation - 120V. Three Phase Standby Power Bate	\dagger	CLOAC	PE1F0	11.01							-			
per AC Break	er Amp		0.00								-		-	1	
Adjacent Colli	Adjacent Collocation - 277V, Three Phase Standby Power Rate	\mid		יבויב	10.01	+	+								
PHYSICAL COLLOCATION III	Ger Amp	1	CLOAC	PE1FG	38.12		-					_			
Physical Collo	ocation in the Ramote Site - Amilication Ess	+									1	$\frac{1}{ }$	Ì	1	
Cabinet Spac	Cabinet Space in the Remote Site per Bay/ Rack	-	CLORS	PE 178	254 70	25.35 25.35	965.34								
Physical Collo	Coation in the Remote Site - Security Assess - Kee						\mid		I	+	1	1			
Physical Collo	Physical Collocation in the Pemote Site - Space Availability	1	CLUTS	2	+	26.06	26.06								
Report per Pn	Report per Premises Requested		CLORS	PEISR		230.80	8000				_	-		l	
Physical Colic	ocation in the Remote Site - Remote Site CLL	L_				-	2000	1	1		1				
Remote Site L	N EC Data (BRSDD) nor Compact Disk par CO	+	CLORS	PEIRE		74.74	74.74					-			
PHYSICAL COLLOCATION IN	PHYSICAL COLLOCATION IN THE REMOTE SITE - ADJACENT	+		¥	1	232.94				H	\prod				T
		L			1	-		1							
Remote Site.	Remote Site-Adjacent Collocation - AC Power, per breaker amp	+	CLOPS	PEIRS	6.27										- 1
Remote Site-A	Remote Site-Adjacent Collocation - Real Estate, per square foot			EIRT	0 134					_	-			1	T
Hemote Site-A	Adjacent Collocation-Application Fee	H		PEIRU	PE1RU 755.62	755.62	755.62	1	1	1	+				
IIVIE II COMINY ACT	COLL MIGHOL ANG 1 ENGINEERING FEES DECOME INCOM	Many for n		he Parties will	I negotiate appro	Origins rather.			+	+	+	1	1		7

											1	¥	Attachment: 4		Exhibit: D
CATEGORY	RATE ELEMENTS	interi 20	Zone BCS	nsoc			RATES (S)			Svc Order	Svc Order	78 9	Incremental Charge - Manual Svo	a 9	Incremental Charge - Manual Svc
		_										Electronic-	Electronic-	Electronic	Order vs.
		\dashv			2	Nonrecurring	uring	Nonrecurring	Disconnect	1	-	id sac	TEC (A)	100	Carc Add
		\dagger			+	First	Addil	First Add'i	Add'i	SOMEC	SOMAN	SOMAN SOMAN	SOMAN	SOMAN	SOMAN
PHYSICAL COLLOCATION	ПОСАТІОМ	$\ $				1		1			+				
	Physical Collocation - Application Fee - Initial Physical Collocation - Application Eng. Collocation	\parallel	CO	PETBA		1,883.67	1,883.67	0.51	0.51					1	
	Physical Collocation - Space Preparation - Firm Order	\dagger	CIO	PEICA		1,570.10	1,570.10	0.51	0.51						
	Processing		CLO	PETSJ	Maragan	802.08	500				-				
	rnyska Collocation - Space Preparation - C.O. Modification per square ft.		C	70E40V	1					1		T			
	Physical Collocation - Space Preparation - Common Systems	+		VE ION	2.73					1	1				
-	Modification per square ft Cageless Physical Collocation - Space Preparation - Common Systems	+	C,O	PE1SL	3.24										
	Modification per Cage	-		PEISM	110.16	•									
1	Physical Collocation - Cable Installation Physical Collocation - Flow Section 60, 55	H		PE180		794.22	794.22	22.54	22.52	\int	+	1			
	Physical Collocation - Cable Support Structure	+	200	PETP	3.95										
1	Physical Collocation - Power 48V DC Power, per Fused Amp	$\ $		PE1PL	9.19			1	1		1				
	Hyskal Colocation - Power Reduction, Application Fee	+		PE1PR	400.33							1	1	1	
	Physical Collocation - 120V, Single Phase Standby Power Rate	-	CLO	PE1FB	2.67						_				
	Physical Collocation - 240V, Single Phase Standby Power Rate		CLO	PE1FD	11.36										T
	Physical Collocation - 120V, Three Phase Standby Power Rate		OLO CLO	PE1FE	17.03						-				
	Physical Collocation - 277V, Three Phase Standby Power Rate		Q,O	PETEG	8							\dagger			
	Physical Collocation - 2-Wire Cross-Connects	H	UEANL, UEA, UDN, UD	UDPE1P2	00341	12.32	11.83	804	F 45	1	+				
	Physical Collocation - 4-Wire Cross-Connects		CO	PE1P4	0.0682	12.42	11.90	6.40	5.74	1	+	+	1		
	Physical Collocation - DS3 Cross-Connects	$\frac{1}{1}$	GLO, UEANI, UEQ, W	FIP!	1.12	22.08	15.96	6.42	5.80					1	T
	Physical Collocation - 2-Fiber Cross-Connect	F	00	PETES	2 80	200	1523	7.39	5.83						
	Physical Collocation - 4-Fiber Cross-Connect	H	GO	PE1F4	5.01	25.61	19.90	£7.6	28.00				1		
T	Physical Collocation - Welded Wire Cage - First 100 Sq. Ft. Physical Collocation - Welded Wire Cage - Addit 50 Sq. Et	+	CLO	PEIBW	219.19						-	1	1	\dagger	
	Physical Collocation - Security Access System - Security System	+		AS I	21.50	1	1								
T	per Central Office Physical Collocation Security Assess Security	+	OTO	PEIAX	74.72										
	Card Activation, per Card		900	PEIA	0.0601	27.85	29 7.6								
	Physical Collocation-Security Access System-Administrative Thange, existing Access Card, per Card	-	Ç.	00444						$\frac{1}{1}$	+	\dagger	\dagger	1	
V	Physical Collocation - Security Access System - Replace Lost or Stolen Card per Card	-				ē,	(a)			\dagger	-	1		1	
٦	Physical Collocation - Security Access - Initial Key, per Key	+	38	PETAK	1	13 13	22.83	+							
<u> v</u>	Physical Collocation - Security Access - Key, Replace Lost or Stolen Key, per Key			j			2		l	\dagger	+				
	Physical Collocation - Space Availability Report per premises	\parallel	000	PEISR		1.077.57	13.13	1		+	+	1	1		
- 0	-OI Bay Arrangements prior to 6/1/99 - 2-Wire Cross-Connect, er cross-connect		UEANI LIFA LIDNI IL	DE1DE	300.0						+	\dagger	1	-	T
-	POT Bay Arrangements prior to 6/1/99 - 4-Wire Cross-Connect,		1		3		-		1	+	+				
-	Pol Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect	+	UEAN, UEA, UDN, UDP	PE1PF	0.1701										
0,0	per cross-connect	\dashv	UEANI, UEA, UDN, UIP	PE1PG	1.20		•			-					
- 0	POT Day Ariengenerits prior to or 1759 - LOS Cross-Connect, per cross-connect		UEANI, UEA UDN UDP	PE1PH	10.71					-		\mid		ľ	,,
<u> </u>	OT Bay Arrangements prior to 6/1/99 - 2-Fiber Cross-Connect, ar cross-connect	_		1						+	+	+	1	1	
-	POT Bay Arrangements prior to 6/1/99 - 4 Fiber Cross-Connect,	+	UEANL, UEA, UDN, ULP	28124	38.55		1		+	1	+	+			
10	Der cross-connect Collocation Cable Records - per request	+	UEAN UEA UDIN, UDP	DPE184	49.29	- 50									
						8		135.63		1	1				

COLLOCATION - South Carolina

Menual Svc Manual Sv Manua													¥	Attachment: 4		Exhibit- D
Mink Zoos 1800													Incremental	Incremental	Incremental	ncremental
COC FEICO COC FEICO COC FEICO COC	CATEGORY	RATE ELEWENTS			nsoc			RATES (S)					Charge - Manual Svc Order vs. Electronic-		Charge - Manual Svc Order va. Electronic-	Charge - Manual Svc Order vs. Electronic-
CLOCACON PETCO P						Bec	Nonrecui	- Line	Monnecumino	Necombact				A00	Uscret	Disc Add'i
CLOCK PERIOR CLOCK CLOCK PERIOR CLOCK CLOCK PERIOR CLOCK	0	ollocation Cable Records - VG/DS0 Cable, per cable record	1	000	DEACE		I SH	Add'i	First	Add'i	SOMEC	SOMAN	SOMAN	SOUAN	SOMAN	SOMAN
CLO PETCO A 18 C 20				3	3		827.89	1	188.54							
CLOCATORS PERIOR 2.00 7.00	000	ollocation Cable Records - VG/DS0 Cable, per each 100 pair		CLO	PE1CO		84	8	6	ò		•				
CLOCK PEIFER 10.00 10.	3 0	ollocation Cable Records - US1, per 1111E		900	PE1C1		226	2.26	277	277		\dagger				
CLOCACIPRS FEIFT 16.66 64.68 77.30) 	ollocation Cable Records - Ebar Cable per On the mount	1	900	PE1CS		7.90	7.90	89.6	89.6		T			1	
CLOCACOPS PETOT 22.10 13.89	Ē	hysical Collocation - Security Escort - Basic, per Half Hour	T	GOGORS	F158		88.8	84.68	77.30	77.30						
CLOACOPS PEIDS 0.0022 17.02 1.02		niceinal Collection County France					06:30	e/ 22				1				
CLOCACARS PEIPT 27.23 17.02		There concerns security Escar - Overame, per Hair Hour	1	CLO,CLORS	PEIOT		22.10	13.89								
CLOAC PEIES 0.0022 1.1.02 1.1.02 1.1.02 1.1.02 1.1.02 1.0		hysical Collocation - Security Escort - Premium, per Half Hour		CLO,CLORS	PEIPT		97.93	2								
CLO PEIDS 0.0022	Σ σ	nysical Collocation - Co-Carrier Cross Connects - Fiber Cable						7	†		1	+				
CLO PEIDS 0.0033 CLO PEIDS 0.0033 CLO PEIDS 0.0033 CLO PEIDS 0.003 CLO PEIDS 0.003 CLO PEIDS 0.003 CLO CLO PEIDS 0.003 CLO CLO PEIDS 0.003 CLO CLO PEIDS PEIDS PEIDS CLO CLO PEIDS PEIDS PEIDS CLO CLO PEIDS PEIDS CLO CLO PEIDS PEIDS PEIDS CLO CLO PEIDS PEIDS CLO CLO PEIDS		Netral Collocation - Co-Carrier Cross Connects - Connection	1	000	PEIES	0.0022										
CLOAC PELIA COR	Ö	able Support Structure, per cable, per lim. ft.		OTO CFO	PEIDS	0 0033									1	
CLOAC PELIA 0.02 24.68 12.14 12.00 12.00 12.14 12.00 12.14 12.00 12.14 12.14 12.00 12.14	& (tysical Collocation - Co-Carrier Cross Connects - Application						1	1		1	1				
CLOAC PE11A O.02 C.036 C.146 C.10AC PE11A O.03 C.1468 C.1577 C.10AC PE11A O.03 C.1468 C.1577 C.10AC PE11P2 O.03 C.1468 C.1577 C.10AC PE11P2 C.10AC	ADJACENT COL	e, per application		99	PEtDT		536.56					_			-	
CLONG FELIX O.02 C.4.68 C.3.68 12.14 C.0.04C FELIZ C.05 C.4.68 C.3.68 12.14 C.0.04C FELIZ C.05 C.4.68 C.3.68 12.14 C.0.04C FELIZ C.0.05 C.4.68 C.3.68 C.3.68 C.0.04C FELIZ C.0.04C FELIX C.0	A	liacent Collocation - Space Chame per Sn Er		0.00									1		+	
CLOAC PETP CLOAC CLOAC PETP CLOAC PETP CLOAC CLOAC CLOAC PETP CLOAC CLOAC CLOAC PETP CLOAC	₹	lacent Collocation - Electrical Facility Chame ner I inear Fi	+	200	7	9							†		1	T
USL, CLORS PEIPE 1.37 44.25 23.26 12.71 USL, CLOAC PEIPE 1.37 44.25 31.96 12.81 USL, CLOAC PEIPE 1.85 41.93 30.51 14.75 USL, CLOAC PEIPE 5.44 5.65 30.51 14.75 USL, CLOAC PEIPE 5.44 5.65 5.65 5.65 USL, CLOAC PEIPE 5.44 5.65 5.65 USL, CLOAC PEIPE 5.44 5.65 5.65 USL, CLOAC PEIPE 5.44 5.65 5.65 USL, CLOAC PEIPE 5.46 5.65 5.65 USL, CLOAC PEIPE 5.65 5.65 5.65 USL, CLOAC FURL 5.65 5.65 5.65 USL, CLOAC FURL 5.65 5.65 5.65 USL, CLOAC 5.65 5.65 5.65 5.65 USL, CLOAC FURL 5.65 5.65 5.65 USL, CLOAC 5.65 5.65 5.65 5.65 5.65 USL, CLOAC 5.65	A	jacent Collocation - 2-Wire Cross-Connects	+	CLOAC	7	886	100									
USI, CLOAC PEIPP 1.37 44.28 31.58 12.51 CLOAC PEIPP 1.476 41.59 30.51 14.76 CLOAC PEIPP 6.02 51.29 30.51 14.76 CLOAC PEIPP 6.02 51.29 30.51 14.76 CLOAC PEIPP 6.02 51.29 30.51 14.76 CLOAC PEIPP 6.02 51.49 30.51 14.76 CLOAC PEIPP 6.02 51.40 30.51 14.76 CLOAC PEIPP 6.02 5.44 30.53 30.53 168.60 1 CLOAC PEIPP 6.02 5.44 30.53 30.53 168.60 1 CLOAC PEIPP 246.44 30.53 30.53 168.60 1 CLOAC PEIPP 246.44 30.53 30.54 30.54 CLOAC PEIPP 246.44 30.54 30.54 30.54 CLOAC PEIPP 30.54 30.54 30.54 30.54 CLOAC	8	Jacent Collocation - 4-Wire Cross-Connects		UEA UPL UDLUCI	OPE1P4	300	24.88	8 68	12.14	10.95	1					
CLOAC PETP2 18.61 41.95 30.51 14.75 CLOAC PETP2 3.15 41.93 30.51 14.75 CLOAC PETP3 6.02 31.62 30.51 14.75 CLOAC PETP3 6.02 31.65.00 1.01 CLOAC PETP3 6.02 31.65.00 1.01 CLOAC PETP3 10.88 168.60 1.01 CLOAC PETP3 10.88 308.38 168.60 1.01 CLOAC PETP3 246.44 308.38 308.38 168.60 1.01 CLOAC PETP3 246.44 308.38 308.38 168.60 1.01 CLOAC PETP3 246.44 308.38 308.38 168.60 1.01 CLOAS PETP3 234.50 234.50 234.50 CLOAC PETP3 234.50 234.50 234.50 234.50 CLOAC PETP3 234.50	2 3	liacent Collocation - DS1 Cross-Connects		USLCLOAC	PE1P1	1.37	44.23	93.55	12.81	2 2	1	+				
CLOAC PEIFP2 3.15 41.93 30.51 14.76	1	layer Collection - 2 Elear Crees Connects	1	CLOAC	PE1P3	18.61	41.93	30.51	14.75	11.83					1	
CLOAC PEINE 6.02 51.29 38.87 1941 101	18	lacent Colocation - 4-Fiber Cross-Connect	+	CLORC	PE1F2	3.15	41.93	30.51	14.76	11.84					1	
CLOAC PEIFB 5.44 5.46	1	lacent Collocation - Application Fee	+	2000	PETER	800	51.29	39.87	19.41	16.49		-		1		
CLOAC PEIFB 5.44	A	jacent Collocation - 120V, Single Phase Standby Power Rate	1	CELLINE.	PENSE		3,165.60		1.01					T		T
CLOAC PEIFE 10.88	ē.	r AC Breaker Amp		CLOAC	PE1FB	544										Ī
CLOAC PEIFE 16.82	2 5	Jacent Collocation - 240V, Single Phase Standby Power Rate					1		+	1		\dagger		1		
CLOAC PETFE 16.32 16.32 16.32 16.32 16.32 16.32 16.32 16.32 16.32 16.32 16.32 16.33	1	acent Collocation - 120V Three Phase Standby Power Bate	+	CLOAC	PE1FD	10.88										
CLORC PETEG 37.68 S08.38 T68.60 CLORS PETER 246.44 S08.38 T68.60 CLORS PETER T16.13 T16.13 CLORS PETER S7.64 S7.64 CLORS PETER S7.64 S7.64 CLORS PETER S7.64 S7.64 CLORS PETER C24.50 CLORS PETER C24.50 CLORS PETER C37.64 S7.64 CLORS PETER C37.60 S7.64 CLORS PETER C37.60 S7.64 CLORS PETER C427 S7.62 CA27 C427 S7.62 CLORS PETER C427 S7.62 CA27 C427 S7.62 CA27 C427 S7.62 C427 C427 S7.	ē	r AC Breaker Amp		CLOAC	PETE	16.30									1	
CLORS PEIRB 246.44 308.38 168.60	8. g	Jacent Collocation - 277V, Three Phase Standby Power Rate		90.0					1		I	+			+	Ī
CLORS PETRA 246.44 308.38 306.38 168.60		CATION IN THE REMOTE SITE	+	CLUAC	PETFG	37.68	1									-
CLORS PETRB 246.44 13.13 13.	£	ysical Collocation in the Remote Site - Application Fee		CLORS	PEIRA		308.38	90.B 28	168 691	150 50	1					
CLORS PEIRD 13.13	8	binet Space in the Remote Site per Bay/ Rack		CLORS	PEITB	246.44		2	3	800	\dagger			1	1	
CLORS PEISR 116.13 116	£	ysical Collocation in the Remote Site - Security Access - Key		CLORS	PEIRO		13 13	6,64				-			1	T
CLORS PEIRE 37.64 116.13 116.	Æ À	ysical Collocation in the Remote Site - Space Availability		0.0				2	+			+	\dagger	1		
CLORS PEIRE 37.64 234.50 CLORS PEIRE 6.27 CLORS PEIRI 0.134 CLORS PEIR	£	vsical Collocation in the Remote Site - Remote Site Cit I	+	CLORS	PEISR		116.13	116.13		_						
CLORS PEIRR 234.50	Š	de Request, per CLLI Code Requested		CLORS	PEIRE		47.64	97.67			-	_			$\frac{1}{1}$	Ī
CLORS PETRS 6.27	Re	mote Site DLEC Data (BRSDD), per Compact Disk, per CO	H	CLORS	PEIRR		234.50	\$6.79	+	1	\dagger	+				
PE1RS 6.27 PE1RT 0.134 725.62 The Parties will negotiate appropriate rates.	PHTSICAL COLLC	CATION IN THE REMOTE SITE - ADJACENT	\parallel								-	+	1			
PETRI 0.134 725.62 the Parties will negotiste appropriate rates.	B	mote Site-Adjacent Collocation - AC Power, per breaker amp		CLORS	PETRS	627										Ī
PETRU 755.62 the Parties will negotiste appropriate rates.	B	mote Site-Adiacent Collocation - Reat Estate per sourare from		800	10,700						+	1		1	+	T
, the Parties will negotiate appropriate rates.	-B	mote Site-Adjacent Collocation-Application Fee	H	CLORS	PETRU	5.3	755.62	755.62	+	1	+	+	+		_	
	NOTE: # S	ecurity Escort and/or Add'l Enginearing Fees become neces	sary for n	smote site collocation	the Parties v	vill negotiste app	Propriete rates.	+			+	1	1			
•																

COLLOCATION - South Carolina

No. Control	L													
Note Laberton Laberton Note Laberton	PATE ELEMENTS													EXPIDIT
Part	XATION		BCS	nsoc			RATES (S)			Svc Order Sv Submitted Sut Elec Ma			Incremental Charge - Manual Svc Order vs. Electronic-	Incremental Charge - Manual Svc Order vs.
Control Cont	CATION				292	Nonrec	urring	Nonrecurding	Disconnect	4		SS RATES (6)	5	CASC AG
Compared Secretary Compare	CATION					E.	Vqq.i	First	Addil		Н	N SOMAN	SOMAN	SOMAN
COD PEISK STATEON	Colombias Application Des 12:55-1										-			
COO PEISE SAMO SAMO COO PEISE SAMO COO PEISE COO CENTRO C	Sizel Collection - Application Fee - #IIIII			PE1BA		3,767.00	3,767.00							
CLO PEESIX 120400 1204	sical Collocation - Space Preparation - Firm Order	1		5		3,140,00	3,140.00							
COO PEISM	Besing	g		PE1SJ		1,204.00	1.204.00		-					
COO PERSI 250 1.757.00	area conocation - space Preparation - C.O. Modification per use it.			705-20	0.20									
COO PERM COO	ical Collocation - Space Preparation - Common Systems	3		TE ION	2.14		1							
COO FEISH COO CO	ircanon per square it Cageless	8		PEISL	2.95									
COO PEIPM 670 1757.00 1757		<u></u>		PETCM	3.00									
CLO PERFN 18-00	+	18		PE18D	1	1 757 00	1 757 00							
COO PEPPA 19.80	ical Collocation - Floor Space per Sq. Ft.	90		PE1PJ	6.75							1		
CLO PEFFR	sical Collocation - Cable Support Structure	90		PE1PM	19.80									
CLO PEFF 14.2	sical Collocation - Power Reduction Antication Fee	900		PE1PL	8.87									
CICO PEIFE S.60 CICO CEIFE S.60 CICO CEIFE S.60 CICO CEIFE S.60 CICO CIC	and the second of the second o	1		E E	400.10									
CLO PEIFE 18.22 11.22	sical Collocation - 120V, Single Phase Standby Power Rate	g		PE1FB	5.60									
CLO PETFE 16.82 38.94 31.92	sical Collocation - 240V, Single Phase Standby Power Rate	9		PETED	120									
CLO										1				
CLO_REMANUMERPOR_PERFO	scal Collocation - 120V, Three Phase Standby Power Rate	원		FIFE	16.82									
COLUMNILIE COL	ical Collocation - 277V, Three Phase Standby Power Rate	9		PETEG	78.85									
COLORMALIEGA/WEETPT 1551 SS-27	cal Collocation - 2-Wire Cross-Connects	UEA	100	PE1P2	0.033	33.82	31.92			1				
CLOUCHAIL, UICANDEPEPP 1561 52.27 38.89 12.66 10.34 12.66 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.69 12.60 12.6	cal Collocation - 4-Wire Cross-Connects	9	1 1	PE1P4	990'0	33.94	31.95					-		
CLO PETRO 28.81 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84 15.85 15.84	cal Collocation - US1 Cross-Connects	98	€1	PE1P1	1.51	53.27	40.16							
CLO PETAT 28.33 38.78 15.56 2.69 2.69 1.56 CLO PETAT 28.53 38.78 16.57 14.35 2.69 2.69 1.56 CLO PETAT 0.059 55.67	cal Collocation - 2-Fiber Cross-Connect	3 5	- 1	PE173	19.26	52.37	38.80							
CLO PEIDM 216.55 CLO PEIDM 216.55 CLO PEIDM 216.54 CLO PEIDM 216.55 CLO PEIDM 216.54 CLO PEIDM 26.54 26.54 CLO PEIDM 26.54 26.54 26.54 CLO PEIDM 26.54 26.54 26.54 CLO PEIDM 26.54 26.54 CLO PEIDM 26.54 2	eal Collocation - 4-Fiber Cross-Connect	38		PE154	28.1	50 53	28.82	12.96	10.34		2.0		1.56	1.56
QLO PETON 21.44 PETON 21.44 QLO PETAN 65.67 55.67 6.67 PETAN 65.67 PETAN PETAN PETAN PETAN PETAN 65.67 PETAN PETAN <td>cal Collocation - Welded Wire Cage - First 100 Sq. Ft.</td> <td>OD</td> <td>1</td> <td>PE1BW</td> <td>218.53</td> <td></td> <td>27.00</td> <td>16:01</td> <td>B</td> <td></td> <td>2</td> <td></td> <td>8</td> <td>2.</td>	cal Collocation - Welded Wire Cage - First 100 Sq. Ft.	OD	1	PE1BW	218.53		27.00	16:01	B		2		8	2.
CLO PEIAX 55.99 S6.67 S6.24 S	cal Collocation - Welded Wire Cage - Add" 50 Sq. Ft.	9	1. 1	PEICW	21.44					-				
Second	car Colocanon - Security Access System - Security System entre Office	2		3							ļ.			
CLO PETAT CLO PETAT S. 67 S. 62	ical Collocation - Security Access System - New Access	3		W.E.	8	1								
iden. Administrative Q.O PE1AR 45.61 15.61 ritial Key, per Key CLO PE1AR 26.24 26.24 ritial Key, per Key CLO PE1AL 26.24 26.24 (ey, Replace Lost or GLO PE1AL 26.27.00 2.154.00 (ey, Replace Lost or GLO PE1AL 26.27.00 2.154.00 (ey, Replace Lost or GLO PE1AL 2.027.00 2.154.00 2-Wire Dross-Connect, UEANL LEA UDN, LIP FEIPF 1.20 2.027.00 2.154.00 2-Wire Cross-Connect, UEANL, LEA UDN, LIP FEIPF 1.20 2.150 2.150 2-Wire Cross-Connect, UEANL, LEA UDN, LIP FEIPF 2.23 2.23 2.23 2-Fiber Cross-Connect, UEANL, LEA LON, LIP FEIBH 2.23 2.73.00 2.73.00	Activation, per Card	95		PE1A1	0.059	55.67	55.67							
Septem - Replace Lost or CLO PETAR 45.64 45.	ical Collocation-Security Access System-Administrative on existing Access Card rear Card	2		1										
CLO PETAR 45.64 45.64 45.64 45.64 45.64 45.64 45.64 45.64 45.64 45.64 45.64 46.64	cal Collocation - Security Access System - Replace Lost or	1		£ .	+	10.61	15.61	1		_				
Name Class Class Class PETAL 26.24	n Card, per Card	CIO		PETAR		45.64	45.64				-			
Heavy replace Lost of Tool CLO PETAL 26.24 26.24 Report per premises 1 CLO PETSR 2.027.00 2.154.00 F-Wire Cross-Connect, Useru LeA, LDN, LIPE FIPE 0.40 2.027.00 2.154.00 2.154.00 F-Wire Cross-Connect, Useru Luck, LDN, LIPE FIPE 1.20 1.20 1.20 1.20 SS3 Cross-Connect, Useru Luck, LDN, LIPE FIPE 8.00 1.20 1.20 1.20 F-Tiber Cross-Connect, Useru Luck, LDN, LIPE FIPE 38.79 1.714.00 1.714.00 1.714.00	cal Collocation - Security Access - Initial Key, per Key	9		PETAK		26.24	26.24							
Profess 1 Co. Profess 2 Co. Profess 2 Co. Acad Conocadon - Secuny Access - Ney, Meplace Lost of the ber Key			- V	<u> </u>	č									
E-Wire Cross-Connect, UseAu, LEA, UDA, LIPE FIPE 0.40 L-Wire Cross-Connect, UseAu, LEA, UDA, LIPE FIPE 1.20 SSI Cross-Connect, UseAu, LISA, UDA, LIPE FIPE 1.20 SSI Cross-Connect, UseAu, LISA, UDA, LIPE FIPE 8.00 Fiber Cross-Connect, UseAu, LISA, UDA, LIPE FIBE 38.79 Fiber Cross-Connect, UseAu, LISA, UDA, LIPE FIBE 52.31 CO. Description of Cross-Connect, UseAu, LISA, UDA, LIPE FIBE 52.31	ical Collocation - Space Availability Report per premises	18		EISB		200700	2 154 00			1				
Wire Cross-Cornect, Consectioned, District UEANI, LEA, LIDA, LIPETPE 1.20 363 Cross-Connect, Leavi, Leavi, Libra, Libra	Bay Arrangements prior to 6/1/99 - 2-Wire Cross-Connect,						2			1				
VEAN_LUEA_UDA_LUPEIPF 1.20	ross-connect	NEW		PEIPE	0.40									
SET Cross-Connect,	bay Arangements produced trass-4-wire Cross-Connect,	E AN	ALL REALITINGS OF)C40E	8									
N3 Cross-Connect, UEANI, UEA, UDN, UI/PETPH 8.00 1-Fiber Cross-Connect, UEANI, UEA, UDN, UI/PETBZ 38.79 Fiber Cross-Connect, UEANI, UEA, UDN, UI/PETBZ 38.79 Fiber Cross-Connect, UEANI, UEA, UDN, UI/PETBZ 38.73 CO. DESCRIPTION OF PETCB 52.31	Bay Arrangements prior to 6/1/99 - DS1 Cross-Connect,				3			1						
VEAN_UEAUDN_UPEIPH	oss-connect	NEW		E1PG	1.20									
Fiber Gross-Connect,	Bay Arrangements prior to 6/1/99 - DS3 Cross-Connect,	4401	The state of	e co							-			7
Fiber Cross-Connect, UEANI, UEA, UDN, UIPE182 38.79 UEANI, UEAN, UIPE184 52.31 CLO PETCR	Bay Arrangements prior to 6/1/99 - 2-Fiber Cross-Connect.	3	AL OEA OLIV	L	g.m	1	1		1		+			,
Friber Gross-Connect, UEANLUEA,UDN,UDPE1B4 52.31	ross-Connect	REA		7E1B2	38.79									
BEIGH CIO	Bay Arrangements prior to 671/39 - 4-Fiber Cross-Connect, loss-connect	UEAN	A LIFA LIDA LIDA	7. P.	200									
	cation Cable Records - per request	38	10000000000000000000000000000000000000	EIGH.	5 8	1711.00								

COLLOCA	COI LOCATION - Tannessee											ŀ		-		
			-								-		Agr.	Attachment: 4		EXHIPS: D
CATEGORY	RATE ELEMENTS	E E	Zone	BCS	nsoc			RATES (\$)			Svc Order Svc Submitted Sut Elec Ma per LSR pe	Svc Order Mar Submitted Or Manually Ele	Charge - Manuel Svc M Order vs. Electronic - Ist	Charge - Manual Svc Order vs. Electronic- Add:1	Incremental Charge - Manual Svc Order vs. Electronic- Disc 1st	Charge - Manuel Svc Order vs. Electronic- Disc Add'i
						Bec	Nonrecurring	uming	Nonrecumina	Disconnect			OSS RA	TES (S)		
	Collocation Cable Records - VG/DS0 Cable, per cable record		G G G		PE1CD		First 925.06	Addi	First	Addit	SOMEC SOMAN	\vdash	SOMAN SOMAN	SOMAN	SOMAN	SOMAN
	Collocation Cable Records - VC/DS0 Cable, per each 100 pair		2		OUT-30		\$ OF	10.0								
	Collocation Cable Records - DS1, per T1TIE		000		PEICH		8.45	8.45				+	T	1		
	Collocation Cable Records - DS3, per T3TIE Collocation Cable Becords - Ether Cable and 60 Stor monde		88		PEIG		29.57	29.57								
	Physical Collocation - Security Escort - Basic, per Half Hour		S S S S	CLO,CLOPS	PEIBT		33.91	21.49								
	Physical Collocation - Security Escott - Overtime, per Half Hour		g	CLO,CLOPS	PE1OT		44.17	27.76								
	Physical Collocation - Security Escort - Premium, per Half Hour		CO	CLO,CLOPS	PE1PT		54.42	34.02								
	Physical Caged Collocation-App Cost(initial & sub)-Planning, per request		8		PEIAC	16.16	2,903.66	2,903.66								
	Physical Caged Collegation-Space Prep-Grounding, per location		9		PE1BB	4.32							.,			
	Physical Caged Collocation-Space Prep-Power Delivery, per 40 amp Feed		9		PEISN		142.40									
	Physical Caged Collocation-Space Prep-Power Delivery, per 100 amp Feed		용		PEISO		185.72									
	Physical Caged Collocation-Space Prep-Power Delivery, per 200 amp Feed		9		PEISP		242.05					<u> </u>				
	Physical Caged Collocation-Space Enclosure-Cage Preparation, per first 100 sq. ft.		8		PETS1	110.97							-			
	Phycical Caged Collocation-Space Enclosure-Cage Preparation2, per add'l 50 so. ft.		ဗ္ဗ		PE1S5	55.49										
	Physical Caged collocation-Cable Installation-Entrance Fiber Structure, interduct per ft.		용		PE1CP	0.0156										
	Phycical Caged Collocation-Cable Installation-Entrance Fiber, per cable		9		PEICO	2.56	944.27									
	Physical Caged Collocation-Floor Space-Land & Buildings, per sq. ft.		<u>වූ</u>		PE1FS	ş,										
	Physical Caged Collocation-Cable Support Structure-Cable Racking, per entrance cable		9		PEICS	21.47							-			
	Physical Caged Collocation-Power-Power Consumption, per amp DC plant		9		PE1PN	3.55										
	Physical Caged Collocation-Power-Power Consumption, per amp AC usage		g		PE1PO	2.03										
	Physical Caged Collocation-2-wire Cross Connects-Voice Grade oths, per ckt.		<u>ප</u>		PE12C	0.0475	7.68									
	Physical Caged Collocation—wire Cross Connects-Voice Grade Ckts, per ckt.		Сю		PE14C	0.0475	7.68									
:	Physical Caged Collocation-DS1 Cross Connects-connection to DCS, per citt.		CLO		PE11S	7.68	41.65									
	Physical Caged Collocation-DS1 Cross Connects-Connection to DSX, per ckt.		93		PE11X	0.38	41.65									
	Physical Caged Collocation-DS3 Cross Connects-Connection to DCS, per ckt.		3		PE136	83.88	298.03									
	Physical Caged Collocation-DS3 Cross Connects-Connection to DSX, per ckt.		g		PE13X	8.6	298.03					_				
	Physical Caged Collocation-Security Access-Access Cards, per 5 Cards		CC		PE1A2		76.10									
	Physical Collocation - Co-Carrier Cross Connects - Fiber Cable Support Structure, per cable, per linear ft.		CLO		PE1ES	0.0031										رس و
	Physical Collocation - Co-Carrier Cross Connects - Copper/Coax Cable Support Structure, per cable, per lin. ft.		CLO		PE1DS	0.0045										
	Physical Collocation - Co-Carrier Cross Connects - Application Fee, per application		<u> </u>		PEIDT		555.03									
ADJACENT C	OLLOCATION											H				

													¥	Attachment: 4		Exhibit: D	7=
													Incremental	incremental	Incremental	Incremental	
	RATEELEMENTS	Interl	7	Š	3									Charge -	Charge -	Charge	
CATEGORY		E	}		3			RATES (\$)			Submitted Submitted		Manual Svc	Manual Svc	Manual Svc	Manuel Svc	
											₩ ₩		Electronic	Electronic	Electronic-	Electronic	
						-					Der LSR	PerLSR	ĕ	Add'i	Disc 1st	Disc Add"	
						28	Nonrecurring	arring	Nonrecurring Disconnect	Disconnect			SSO B	OSS RATES (S)			
	Adjacent Collocation - Space Charge per So. Ft.	\prod	Ĭ	040	DE4 14	0.000	E	Add'i	First	Add'I	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN	-
	Adjacent Collocation - Electrical Facility Chame ner I inear Et	I	Ī	200	ALL IN	OCON'S				A COLUMN TO THE PERSON TO THE							~
	Adjacent Collocation - 2-Wire Cross-Connects	I	Ĭ	400	70170	20.0						-					,
	Adjacent Collocation - 4-Wire Cross-Connects		Ī	31 71 1	2712	U.CS	11.12	10.18	11.33	10.23			1.77	1.7	1.12	112	-
	Adjacent Collocation - DS1 Cross-Connects		Ĭ	3		0.33	2,30	10.31	11.62	10.44		-	1.77	1.7	- 12	15	-
	Adjacent Collocation - DS4 Cines-Connews		j	SECTOR!	202	1.8	28.39	16.88	11.65	10.54			14	12	4 13	4 5	-
	Adjacent Collocation 2 Sthey Course Course		Í	CLOAC	PETP3	19.03	26.23	15.51	13.40	10.77			1	F	9 5	7	_
	Adjacent Collocation of Ether Control			CLOAC	PETEZ	3.49	2623	15.51	13,41	10.78		+	12		2.5	7	
	Adjacent Collocation - Analysiss Exc		Ť	CLOAC	PE1F4	6.50	29.75	19.02	17.60	14.97		-	1,77	14.	1.50	71.12	
	Adjacent Colonsian Application 1 20		٦	CLOAC	PE1JB		2,973.00		0 9475			+			7	1.12	
	Aujacent Colocation - 120V, Single Phase Standby Power Rate per AC Breaker Amo			07010	90,00							T					
	Adjacent Collocation - 240V. Single Phase Standby Power Rate		1	2000		2.81	1										
	per AC Breaker Amp			3000	00350												-
	Adjacent Collocation - 120V, Three Phase Standby Power Rate		T			8.2		1			1						
	per AC Breaker Amp			CLOAC	PEAGE	17.45											_
	Adjacent Collocation - 277V, Three Phase Standby Power Rate					2		1									
-0000	per AC Breaker Amp		٦	CLOAC	PE1FG	40.30											_
TINGE CO	ALOCATION IN THE REMOTE SITE										+						_
	Physical Collocation in the Remote Site - Application Fee		ľ	CLORS	PEIRA		580.90	1	240 36	1	1		1				
	Cabinet Space in the Remote Site per Bay/ Rack		Ĭ		PETER	220.41			316.70		†	+	1				_
	Physical Collocation in the Remote Site - Security Access - Key			300	2						I	I	1				
	Physical Collocation in the Remote Site - Space Availability	Ī	1	200	reiro		24.69	+		1							
	Report per Premises Requested		٧	CLORS	PE1SR		218.49	·.				-					_
	Physical Collocation in the Remote Site - Remote Site CLLI Code Request, per CLII Code Remoted		-								T	+	1				
	Remote Site D.EC Data (BRSDD), per Compact Disk per CO	\int	7	CCCC	¥ 5	+	70.81	1									
PHYSICAL CO.	PHYSICAL COLLOCATION IN THE REMOTE SITE - ADJACENT	1	†		¥	1	234.15				-	_		l	1		
		\int	\dagger			+		1				H					
	Remote Site-Adjacent Collocation - AC Power, per breaker amp		٦	CLORS	PE1RS	6.27	-										
	Remote Site-Adjacent Collocation - Real Estate, per square foot				PEIRT	0 194											
	Remote Site-Adjacent Collocation-Application Fee		٢		PE1RU	-	755.69	755.60	†	1	+	+	1	1			
MOTE	NOTE: If Security Escort and/or Add? Engineering Fees become necessary for remote site collocati	eserry fo	remor	e site collocation.	No Parties wi	on. the Parties will nepotiate anomyrists rates	orrelate retee	1	1	+	+	+	1				
						of the Person of the last	Chiese Inne.		-		_	_	_				

COLLOCATION - Tennessee

ATTACHMENT 5 ACCESS TO NUMBERS AND NUMBER PORTABILITY

TABLE OF CONTENTS

1.	NON-DISCRIMINATORY ACCESS TO TELEPHONE NUMBERS	3
SC	2. LOCAL SERVICE PROVIDER NUMBER PORTABILITY - PERMANENT DLUTION (LNP)	3
3.	INTERIM SERVICE PROVIDER NUMBER PORTABILITY (ISPNP)	4
4.	ISPNP IMPLEMENTATION	5
5.	OPERATIONAL SUPPORT SYSTEM (OSS) RATES	7
Ra	tesExhibit	A

ACCESS TO NUMBERS AND NUMBER PORTABILITY

1. NON-DISCRIMINATORY ACCESS TO TELEPHONE NUMBERS

- During the term of this Agreement, where Navigator is utilizing its own switch, Navigator shall contact the North American Numbering Plan Administrator, NeuStar, for the assignment of numbering resources. In order to be assigned a Central Office Code, Navigator will be required to complete the Central Office Code (NXX) Assignment Request and Confirmation Form (Code Request Form) in accordance with Industry Numbering Committee's Central Office Code (NXX) Assignment Guidelines (INC 95-0407-008).
- Where BellSouth provides local switching or resold services to Navigator, BellSouth will provide Navigator with on-line access to intermediate telephone numbers as defined by applicable FCC rules and regulations on a first come first served basis. Navigator acknowledges that such access to numbers shall be in accordance with the appropriate FCC rules and regulations. Navigator acknowledges that there may be instances where there is a shortage of telephone numbers in a particular rate center; and in such instances, BellSouth may request that Navigator return unused intermediate numbers to BellSouth. Navigator shall return unused intermediate numbers to BellSouth upon BellSouth's request. BellSouth shall make all such requests on a nondiscriminatory basis.
- BellSouth will allow Navigator to designate up to 100 intermediate telephone numbers per rate center for Navigator's sole use. Assignment, reservation and use of telephone numbers shall be governed by applicable FCC rules and regulations. Navigator acknowledges that there may be instances where there is a shortage of telephone numbers in a particular rate center and BellSouth has the right to limit access to blocks of intermediate telephone numbers. These instances include: 1) where jeopardy status has been declared by the North American Numbering Plan (NANP) for a particular Numbering Plan Area (NPA); or 2) where a rate center has less than six months supply of numbering resources.

2. LOCAL SERVICE PROVIDER NUMBER PORTABILITY - PERMANENT SOLUTION (LNP)

The Parties will offer Number Portability in accordance with rules, regulations and guidelines adopted by the Commission, the FCC and industry fora. Interim Service Provider Number Portability (ISPNP) will be available only in those end offices where no carrier has requested implementation of Local Service Provider Number Portability – Permanent Solution (LNP). Once LNP is implemented in an end office pursuant to the request of a carrier, both Parties must withdraw their ISPNP offerings. The transition from existing ISPNP arrangements to LNP shall occur

within one hundred and twenty (120) days from the date LNP is implemented in the end office. Neither Party shall charge the other Party for conversion from ISPNP to LNP.

- End User Line Charge. Where Navigator subscribes to BellSouth's local switching, BellSouth shall bill and Navigator shall pay the end user line charge associated with implementing LNP as set forth in BellSouth's FCC Tariff No. 1. This charge is not subject to the resale discount set forth in Attachment 1 of this Agreement.
- 2.3 To limit service outage, BellSouth and Navigator will adhere to the process flows and cutover guidelines for porting numbers as outlined in the LNP Reference Guide, as amended from time to time. The LNP Reference Guide, incorporated herein by reference, is accessible via the Internet at the following site: http://www.interconnection.bellsouth.com. All intervals referenced in the LNP Reference Guide shall apply to both BellSouth and Navigator.
- 2.4 The Parties will set Local Routing Number (LRN) unconditional or 10-digit triggers where applicable. Where triggers are set, the porting Party will remove the ported number at the same time the trigger is removed.
- A trigger order is a service order issued in advance of the porting of a number. A trigger order 1) initiates call queries to the AIN SS7 network in advance of the number being ported; and 2) provides for the new service provider to be in control of when a number ports.
- Where triggers are not set, the Parties shall coordinate the porting of the number between service providers so as to minimize service interruptions to the end user.
- 2.7 BellSouth and Navigator will work cooperatively to implement changes to LNP process flows ordered by the FCC or as recommended by standard industry forums addressing LNP.

3. INTERIM SERVICE PROVIDER NUMBER PORTABILITY (ISPNP)

Where LNP has not been implemented in an end office, the Parties shall provide ISPNP. ISPNP is a service arrangement whereby an end user who switches subscription of his local exchange service from BellSouth to a CLEC, or vice versa, is permitted to retain the use of his existing assigned telephone number, provided that the end user remains at the same location for his local exchange service or changes locations and service providers but stays within the same BellSouth rate center as his existing number. Except as otherwise expressly provided herein, ISPNP is available only where the local exchange carrier is currently providing basic local exchange service to the end user. ISPNP for a particular assigned telephone number will be disconnected when any end user, Commission, BellSouth, or CLEC initiated activity (e.g., a change in exchange /

rate center boundaries) would normally result in a telephone number change had the end user retained his initial local exchange service.

- Methods of Providing ISPNP. ISPNP is available through either remote call forwarding or direct inward dialing trunks. Remote call forwarding (ISPNP-RCF) is an existing switch-based service that redirects calls within the telephone network. Direct inward dialing trunks (ISPNP-DID) allow calls to be routed over a dedicated facility to the switch that serves the subscriber.
- 3.3 <u>Signaling Requirements</u>. SS7 Signaling is required for the provision of ISPNP services.
- 3.4 Rates
- Rates for ISPNP are set out in Exhibit A to this Attachment. If no rate is identified in the Attachment, the rate for the specific service or function will be as set forth in the applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

4. ISPNP IMPLEMENTATION

- ISPNP-RCF is a telecommunications service whereby a call dialed to an ISPNP-RCF equipped telephone number is automatically forwarded to an assigned seven-or ten-digit telephone number within the local calling area as defined in BellSouth's General Subscriber Services Tariff. The forwarded-to number shall be specified by Navigator or BellSouth, as appropriate. The forwarding Party will provide identification of the originating telephone number, via SS7 signaling, to the receiving Party. Identification of the originating telephone number to the ISPNP-RCF end user cannot be guaranteed, however. ISPNP-RCF provides a single call path for the forwarding of no more than one call to the receiving Party's specified forwarded-to number. Additional call paths for the forwarding of multiple simultaneous calls are available on a per path basis at rates as outlined in this Attachment.
- ISPNP-DID service provides trunk side access to end office switches for direct inward dialing to the other Party's premises equipment from the telecommunications network to lines associated with the other Party's switching equipment and must be provided on all trunks in a group arranged for inward service. ISPNP-DID is available from BellSouth on a per DS0, DS1 or DS3 basis. A ISPNP-DID trunk termination charge, provided with SS7 Signaling only, applies for each trunk voice grade equivalent. In addition, direct facilities are required from the end office where a ported number resides to the end office serving the ported end user customer. The rates for a switched local channel and switched dedicated transport apply as contained in BellSouth's Intrastate Access Services tariff, as amended from time to time. Transport mileage will be calculated as the airline distance between the end office where the number is ported and the Point of

Interface ("POI") using the V&H coordinate method. ISPNP-DID must be established with a minimum configuration of two channels and one unassigned telephone number per switch, per arrangement for control purposes. Transport facilities arranged for ISPNP-DID may not be mixed with any other type of trunk group, with no outgoing calls placed over said facilities. ISPNP-DID will be provided only where such facilities are available and where the switching equipment of the ordering Party is properly equipped. Where ISPNP-DID service is required from more than one wire center or from separate trunk groups within the same wire center, such service provided from each wire center or each trunk group within the same wire center shall be considered a separate service. Only customer-dialed sent-paid calls will be completed to the first number of an ISPNP-DID number group; however, there are no restrictions on calls completed to other numbers of an ISPNP-DID number group. Sent-paid calls refer to those calls placed by an end user who physically deposits currency in a public telephone. Interface group arrangements provided for terminating the switched transport at the Party's terminal location are as set forth in BellSouth's Intrastate Access Services Tariff, § E6.1.3.A as amended from time to time.

- 4.3 ISPNP-DID Service requires ordering consecutive telephone numbers in blocks of twenty. Navigator may order non-consecutive telephone numbers or telephone numbers in less than blocks of twenty pursuant to BellSouth's tariffs.
- 4.4 The calling Party shall be responsible for payment of the applicable charges for sent-paid calls to the ISPNP number. For collect, third-party, or other operatorassisted non-sent paid calls to the ported telephone number, BellSouth or Navigator shall be responsible for the payment of charges under the same terms and conditions for which the end user would have been liable. Either Party may request that the other Party block collect and third party non-sent paid calls to the ISPNP-assigned telephone number. If a Party does not request blocking, the other Party will provide itemized local usage detail for the billing of non-sent paid calls on the monthly bill of usage charges provided at the individual end user account level. The detail will include itemization of all billable usage. Each Party shall have the option of receiving this usage data on a daily basis via a data file transfer arrangement. This arrangement will utilize the existing industry uniform standard, known as EMI standards, for exchange of billing data. Files of usage data will be created daily for the optional service. Usage originated and recorded in the sending BellSouth RAO will be provided in unrated or rated format, depending on the processing system. Navigator usage originated elsewhere and delivered via CMDS to the sending BellSouth RAO shall be provided in rated format.
- 4.5 The new service provider shall be responsible for obtaining authorization from the end user for the handling of the disconnection of the end user's service, the provision of new local service and the provision of ISPNP services. Each Party shall be responsible for coordinating the provision of service with the other to assure that its switch is capable of accepting ISPNP ported traffic. Each Party shall be solely responsible to ensure that its facilities, equipment and services do not interfere with or impair any facility, equipment, or service of the other Party or

any of its end users. In the event that either Party determines in its reasonable judgment that the other Party will likely impair or is impairing or interfering with any equipment, facility or service of any of its end users, that Party may either refuse to provide ISPNP service or may terminate ISPNP service to the other Party after providing appropriate notice.

- 4.6 Each Party shall be responsible for providing an appropriate intercept announcement service for any telephone numbers subscribed to ISPNP-DID services for which it is not presently providing local exchange service or terminating to an end user. Where either Party chooses to disconnect or terminate any ISPNP service, that Party shall be responsible for designating the preferred standard type of announcement to be provided.
- 4.7 End-to-end transmission characteristics may vary depending on the distance and routing necessary to complete calls over ISPNP facilities and the fact that another carrier is involved in the provisioning of service. Neither Party shall specify end-to-end transmission characteristics for ISPNP calls.
- Where ISPNP-RCF is utilized for ISPNP, for terminating IXC traffic ported to either Party which requires use of either Party's tandem switching, the tandem provider will bill the IXC tandem switching, the interconnection charge, and a portion of the transport, and the other Party will bill the IXC local switching, the carrier common line and a portion of the transport. If the tandem provider is unable to provide the necessary access records to permit the other Party to bill the IXC directly for terminating access to ported numbers, then the tandem provider will bill the IXC full terminating switched access charges at the tandem provider's rate and will compensate the other Party at the tandem Party's tariff rates via a process used by BellSouth to estimate the amount of ported switched access revenues due the other Party. If an intraLATA toll call is delivered, the delivering Party will pay terminating access rates to the other Party.

5. OPERATIONAL SUPPORT SYSTEM (OSS) RATES

5.1 The terms, conditions and rates for OSS are as set forth in Attachment 2.

													¥	Attachment: 5		Exhibit
CATEGORY	RATE ELEMENTS	<u> </u>	Zone	8	nsoc			RATES (\$)			Svc Order Svc Order Submitted Submitted Elec Manuelly		S . S . S	Incremental Charge - Manual Svc Order vs. Electronic-	Charge - Order vs. Order vs. Electronic - Electronic - Charge - Charge vs.	2 2 0
							Nonr	Nonrecurring	Nonrecumbe	Nonracumina Disconnect	PerLSR	Der LSR	15 S	Add'i	Disc 1st	Disc Add:
			1				First	Addi	First	Addi	SOMEC	SOMAN	SOMAN	AN SOUAN	SOMAN	COMM
NOTE	NOTE: Any element that can be ordered electronically all to state a															SCHOOL STATE
TERM SERV	INTERIM SERVICE PROVIDER NUMBER PORTABILITY		Н													
1	RCF, per number ported (Business Line) RCF, per number ported (Residence Line)		\dagger		TNPBL.	2.13		15	0.07		3.50		19.89	19.90	40.00	9
	RCF, add1 capacity for simultaneous call forwarding, per	1	†		Z Z	2.13	3 0.65		20.0		3.50		19.99	19.90	06.61	10.00
	additional path					0.32	O.									
	R.C.F. Der Service order, per location (Business) RCF, Der service order, per location (Residence)		\dagger		OBALL				1.44	1.44	3.50	1	19.99	19.90	90 01	90 00
TERIM SERVI	INTERIN SERVICE PROVIDER NUMBER PORTABILITY - DID	1	t		12.40		4.	1.4	1.44	1.44	3.50		19.99	19.89	19.80	20.00
	DID per number ported (Residence)		1		HOON		ğ		7							
	OID per number ported (Business)		H		ACQNT.		1 19		1 10		3.50		19 99	19.99	19.90	19.99
	DID ner service order, per location (Residence)		+		OHAN		1.44	1.44	1,44	1.44	350	I	200	866	19.99	19.90
	DID. per trunk termination, Initial		\dagger		APBO					1.4	3.50		06.61	200	10.00	200
Note: If	Note: If no rate is identified in the contract, the rate for the specific service or function will be seen for	Porvice or	- Eurig.	An well he as not to	I NET IZ	11.84	4 173.73	21.00	50.43	25.00	3.50		19.99	19.99	19.99	10.00
					1 m m m	Carrie Delisour	IN TRIVILLO TOP TO	In its dynamic believed in the parties of as negotiated by the Parties upon request by either Party.	Parties upon	request by eith	or Party.					

INTERIM SERVICE PROVIDER NUMBER PORTABILITY - Florida	æ									-				
											Att	Attachment: 5		Exhibit: A
RATE ELEMENTS CATEGORY	ineani os	Zone BCS	nsoc			RATES (\$)			Swc Order Swc Order Submitted Submitted Elec Manually		Syc ate	2 · S · S	incremental Charge - Manual Svc Order vs. Electronic-	Incremental Cherge - Manual Svc Order vs. Electronic-
										LOU FOR	E E	Addi	Disc 1st	Disc Add'i
				36	Nonre	Nonrecuring	Nonrecurring	Nonnecuring Disconnect				10,0		
					First	Addi	First	Add'1	SOME	COURTS	2000	ALL COLLEGES	11111111	
WATER A MANAGEMENT AND A STATE OF THE PARTY									4	+	SCHAR	NO.	SOMAN	SOMAN
cannot be ordered electronically as present parties BBPL-LO, the listed SOMEC rate reflects the charge applied to a CLEC's bill when it as the charge applied to a CLEC's bill when it and the charge applied to a CLEC's bill when it are charge applied to a CLEC's bill when it are charge.	ed SOMEC n	o the SOMEC rate lists ate reflects the charge	od. Please ref that would b	d. Please refer to BetSouth's Business Rules for Local Ordering (BBR-LO) to determine if a product can be ordered electronically. For those elements that that would be billed to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the menual preference characteristics and the content of the content ordering the content of the content ordering the content of the content ordering the content of the content of the content ordering the content of the content ordering the content of	's Business R EC once elect	ules for Local (tronic ordering	Ardering (BBR- capabilities co	LO) to determi	ne if a produ	t can be or	lered electro	nically. For	hose elemen	ts that
NTERIM SERVICE PROVIDER NUMBER PORTABILITY - RCF			-										The symmetry	
RCF, per number ported (Business Line)			TAISBI	200	1						-			
RCF, per number ported (Residence Line)	L		200	3.5	0.434	0.4145	0.0415	0.0415	3.50	11.90	-		-	
ROF, Per Additional Path			72	9	0.4145	0.4145	0.0415	0.0415	3.50	11.90			1 83	
INTERIM SERVICE PROVIDER WINBER PORTABILITY - DID	1			0.71.79									3	
DID per number ported (Residence)			TAPDA		0.000	0000	00000							
DID per number ported (Business)			MPDB		0.000		U.Dakes	0.6923	3.50	11.90			1.83	
DID, per trunk termination, Initial	L		CTO-	20.22	2000		UCBES	0.6823	3.50	11.90			1.83	
SERVICE PROVIDER NUMBER PORTABILITY (RIPH)				3	101.68	90.30	32.73	32.73	3.50	11.90			1.83	
RIPH, Functionality, Per Rearrangement					20.08	8008			02.0	18	1			
DIDLI E. T. D. D. C. T. D. T. D. C. T. D. T. D. C. T. D.				1.83	0.2165	0.2165	21000	A10016	8 6	96	1		1.83	
Initity, runkatorizaty, ref Central Cic					75.09	27.70		2 2	300	3			1.83	
						22:25	45.54	7.7	3.50	11.90	-		1.83	

Fig. 2 Content Manual Suc Charge - Char				-										¥	Attachment: 5		Exhibit:
Pace Nontrocurring Place Nontrocurring Place Plant	CATEGORY			Zone	8	osn			RATES (\$)			Svc Order Submitted		Charge - Charge - fanual Svc Order vs.	Incremental Charge - Manual Svc Order va. Electronic-		2
will be billed according to the SOMEC rate lists HSOuth.				-					-tha			-	Per LSR	žį.	Addi	Disc 1st	Disc Add"
will be billed according to the SOMEC rate lists HR-LO, the listed SOMEC rate reflects the charge HSouth.				\dagger			B	Non	Scurring	Nonrecurrin	Disconnect	- t		OSS R	ATES (S)		
will be billed according to the SOMEC rate lists IN-LO, the listed SOMEC rate reflects the charge INSouth.				l					AGG	1	Add	-1	SOMAN	SOMAN	SOMAN	SOHAN	SOMAN
ng. per	Sena Sena	:: Any element that can be ordered electronicatly will be billed (It be ordered electronically at present per the BBR-LO, the lists	A SOUR	to the	SOMEC rate listed	Please ref	er to BellSouth	's Business	tules for Local C	Ardening (BBR-	LO) to determi	ne if a produ	ct can be or	dered electro	nically. For	those elemen	oths that
ng. per TAPRIL 2.03 0.51 18.94 ng. per TAPRIL 2.03 0.51 18.94 ng. per TAPRIL 2.03 0.51 2.10 3.50 18.94 TAPRIL 2.10 2.10 2.10 3.50 18.94 TAPRIL 0.283 2.10 2.10 3.50 18.94 TAPRIL 0.283 0.89 3.50 18.94 TAPRIL 0.29 2.10 3.50 18.94 TAPRIL 0.70 2.10 3.50 18.94 TAPRIL 0.73 3.647 40.00 3.50 16.94	Applie CE	ed to a CLEC's bill when it submits an LSR to BellSouth.							STORE OF SETTING	capacilities c	ome on-line for	that elemen	t. Otherwise	, the manual	orderling ch	ILDE, SÖMAN	, will be
Investor Loses 0.51 2.03 0.51 8.50 18.94 Investor Investor 2.03 0.51 2.00 18.94 18.94 Investor Investor 2.10 2.10 3.50 18.94 Investor Investor 0.83 3.50 18.94 Investor 10.79 2.10 2.10 3.50 18.94 Investor 10.73 2.10 2.10 3.50 18.94 Investor 10.73 136.47 40.00 3.50 18.94		INCE PROVIDER NUMBER PORTABILITY - RCF											-				
Ing. per ThPRI 2.03 0.51 3.50 18.94 Inversion 2.10 2.10 2.10 3.50 16.94 Inversion 2.10 2.10 2.10 3.50 16.94 Inversion 1.894 3.50 16.94 16.94 Inversion 2.10 2.10 3.50 16.94 Inversion 2.10 2.10 3.50 16.94 Inversion 2.10 2.10 3.50 16.94 Inversion 10.73 136.47 4.00 3.50 16.94	1	ITICE, per number ported (Business Line)				INPBI	2.03	25.0				-					
ling per		HCF., per number ported (Residence Line)		ŀ		TAIDDI	SW C					25.50		18.94	18.92		
TNPED 0.2636 2.10 2.10 3.50 16.94 TNPDR 2.10 2.10 3.50 16.94 TNPDR 0.83 3.50 16.94 TNPDR 2.10 2.10 3.50 16.94 TNPDR 2.10 2.10 3.50 16.94 TNPDR 2.10 2.10 3.50 16.94 TNPDR 10.73 136.47 40.00 3.50 16.94		RCF, add7 capacity for simultaneous call forwarding, per		ł		10.00	200	200				3.50		18.94	18.94		
TAMPRD 2.10 2.10 3.50 16.94	1	additional path		-			0.2836										
TAPPD 2.10 2.10 3.50 10.34	1	DOE 100 Service Order, per rocarron (Business)		+		INPBD		2.10				9 50	1	1000			
The part of the	MTERIM SED	MOR BEOMBED WINDER DOME TO THE SIGNORY		1		TNPRID		2.10				320	+	100	40.00		
TNPDR 0.89 3.50 18.94 TNPDB 0.93 3.50 16.94 TNPDD 2.10 2.10 3.50 16.94 TNPSD 2.10 2.10 3.50 18.94 TNPSD 2.10 3.50 18.94 TNPSD 2.10 3.50 18.94 TNPSD 2.10 3.50 18.94 4.00 3.50 4.50 4.50	OF WILLIAM	NO THOUSEN NUMBER PORTABILITY - DID										3	1	3	18.82		
TAPPOB 0.93 3.50 18.34 TAPPID 2.10 2.10 3.50 18.94 TAPPID 2.10 2.10 3.50 18.94 TAPPID 1.054 4.000 3.50 18.94 TAPPID 1.054 4.000 3.50 18.94	<u> </u>	DND for mumber ported (Hesidence)		1		TNPDR		0.93				3.50	+	10.04	1000		
TNPRD 2.10 2.10 3.50 18.54 TNPTZ 10.73 136.47 40.00 3.50 3.50 18.54	+	DND Assessment Dorsed (DUSINGSS)		+		INPOB		0.93				350	+	100	3,00		
TNPBD 2:10 2:10 3.50 1834 1872 16.73 1354 40.00 3.50		DID per conico order per location (Hesidence)		1		INPRID		2.10				300		9 20	20.00		
INP12 10.73 135.47 40.00		DID per trunk termination Initial	1	+		PBO		2.10				3.50		18.94	200		
	Note	If no rate is intentified in the contract the second		-		INPIZ	10.73	135.47	40.00			250		,			

ğ	
ö	
8	

	WITH SELVICE THOUSEN NUMBER FOR ABILITY - Kentucky	3										r	#4	Attachment: E		1
CATEGORY	RATE ELEMENTS	Interi Zone m	Zone	2	nsoc			RATES (\$)			Svc Order (Submitted S	Svc Order N Submitted Manually	ncremental Charge - Manual Svc Order vs. Electronic-	Sec Order Submitted Submitted Order vs. Order	Incremental Charge - Manual Svc Order vs.	Svc Order Svc Order War Order va. Or
·											1	Ne rou	To a	Vadi	D18c 18t	Disc Add!
			+			Pec Sec	Nonrecurring	uning	Nonrecurring Disconnect	Disconnect			/d 950	OSS BATES (6)		
			+				First	Add'i	First	Add'i	SOMEC SOMAN	SOMAN	NVMOS		COULAN	1000
3	TE. Dallen the and All the sale		-				-					-	_	+	+	SCH ALL
2	THE EXISTRICT CLEC WILL BEST THEIR OWN COSTS OF PROVIDING FEMORE CELL	And remo	8	evending as an in	nterin numb	Interim number portability potion	Wigh				1	-				
				1												

INTERIM SE	INTERIM SERVICE PROVIDER NUMBER PORTABILITY - Louisiana	eu.										-				
												1	ATTA	Attachment: 5		Exhibit
CATEGORY	RATE EL EMENTS	in E	Zone	82	oso			RATES (\$)			7.0		_ 2	Charge - flanual Svc Order vs.	Charge - Manual Svc Order vs.	Charge - Manual Svc Order vs.
			T								Elec W	Manually El	Electronic- E	Electronic-	Electronic-	Electronic-
						Bec	Nonnecumbo	umino	Nonrecumen	Noonecuring Disconnect			1			200
							First	Addi	First	Addit	SOME	COMPAN	CONTANT COURS	153(3)		
				The second secon							+	4	+	NO NO	SOMAN	SOMAN
camot	NOTE: Any element that can be ordered electronically will be billed according to the SOMEC rate lister cannot be ordered electronically at present par the BRBJ Of the lister CAMER CANDER.	d Source	g to the	SOMEC rate listed	. Please ref	d. Please refer to Bell South's Business Rules for Local Ordering (BBR-LO) to determine if a product can be ordered electronically. For those elements that	's Businees Ru	les for Local O	rdering (BBR-	LO) to determi	ne if a produc	t can be ord	ered electron	licatly. For t	nose elemen	ts that
applied	applied to a CLEC's bill when it submits an LSR to BellSouth.			mecas una crierge		this would be billed to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the menual ordering charge, SOMAN, will be	LEC ance electr	onic ordering (apabilities co	we on-line for	that element.	Otherwise,	the menual o	ordering cha	ge, SÖMAN,	WIII De
NIERIM SERV	NTERIM SERVICE PROVIDER NUMBER PORTABILITY - RCF		F								-					
	HCF, per number ported (Business Line)		H		TNPBL	291	0.25	0.25			3.50	90 97				
	PCE Don Additional Distriction				TNPRIL	2.91	520	0.25			250	15.20	1	1		
INTERIM SERV	MERIA SERVICE PROVIDER MINDER DOCTABILITY, NO.	1	+			1.24							1	1	1	
	DID par number corted (Basidanca)	1	1											1	1	
	DIO par number ported (Businese)		+		HON		0.42	0.42			3.50	15.20	-	l	T	
	DID. per trunk termination. Initial		+		SC N		0.42	0.42			3.50	15.20	-	T		
SERVICE PROV	SERVICE PROVIDER NUMBER PORTABILITY (RIPH)		\dagger		200	68.47	185.13	68.79			3.50	15.20				
	RIPH, Functionality, Per Rearrangement	T	\dagger				70.07	1000								
	RIPH, Per Number Ported		H			8	0.10	97.50			3.50	15.20				
	RIPH, Functionality, Per Central Ofc						1967	79 67			00.00	02.5				
LINDIE: III	Note: If no rate is identified in the contract, the rate for the specific service or function will be as set f	ervice	r functio		th in soolic	orth in applicable BellSouth tariff or as negotiated by the Bertier upon	tariff or se nen	offered by the	Jertice some	Appropriate Contraction	3	13.60				

INTERIM SI	INTERIM SERVICE PROVIDER NUMBER PORTABILITY - Mississippi	iddi											A.	Attachment: 5		Exhibit
CATEGORY	RATE ELEMENTS	-	Zone	SS 8	cosn			RATES (\$)			Svc Order Submitted Elec per LSR	Svc Order Submitted Manually per LSR	ncremental Charge - Manuel Svc Order vs. Electronic- 1st	Incremental Charge - Manual Svc Order vs. Electronic- Add'i	Charge - Manuel Svc Manuel Svc Order vs. Order vs. Greer vs. Electronic - Electronic - 1st - Add'l Discriptic	
			1			384	Nonrecurring	urring	Nonrecurring Disconnect	Disconnect			OSS R.	OSS RATES (5)		
		T	+		Ī		E	Add'!	ž.	Addil	SOMEC	SOMAN	SOMAN	SOWAN	SOMAN	SOMAN
NOTE canno applie	NOTE: Any element that can be ordered electronically will be billed according to the SOMEC rate lister cannot be ordered electronically at present per the BBR-LO, the listed SOMEC rate reflects the charge applied to a CLEC's bill when it submits an LSR to BellSouth.	coording d SOME(to the SO	MEC rate listed. Its the charge th	Please rafe set would be	d. Peese refer to BellSouth's Business Rules for Local Ordering (BBR-LO) to determine if a product can be ordered electronically. For those elements that the would be billed to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the manual ordering charge, SOMAN, will be	Business Rui C once electro	les for Local O onic ordering o	rdering (BBR-	LO) to determi me on-line for	ne if a prod that eleme	uct can be or it. Otherwise	dered electro s, the menual	onically. For	those elemen arge, SOMAN,	its that will be
NTERIN SER	NTERIM SERVICE PROVIDER NUMBER PORTABILITY - RCF					the second second second second second	and comment of the second of the second	South the contraction	and the second second second second	produce and bear of the or		The second of Control				
	RCF, per number ported (Business Line)		Н		TNPBL	3.06	0.2596	0.2596	0.0282	0.0282	3.50	15.75				
	RCF, per number ported (Residence Line)				THANL	3.08	0.2596	0.2596	0.0282	0.0282	3.50	15.75				
	RCF, Per Additional Path					1.17										
NTERIN SER	NTERIM SERVICE PROVIDER NUMBER PORTABILITY - DID															
	(DID per number ported (Residence)		L		TAPOR.		0.4335	0.4335	0.4701	0.4701	3.50	15.75	Ī			
	OID per number ported (Business)				90del		0.4335	0.4335	0.4701	0.4701	3,50	15.75	ľ			
	DID, per trunk termination, Initial				TNPT2	58.41	191.75	71.25	28.94	28.94	3.50	15.75				
SERVICE PRC	SERVICE PROVIDER NUMBER PORTABILITY (RIPH)															
	RIPH, Functionality, Per Rearrangement						19.93	19.93			3.50	15.75				
	RIPH, Per Number Ported					1.96	0.1972	0.1972	0.0214	0.0214	3.50	15.75				
	RiPH, Functionality, Per Central Ofc						86.52	85.52	2.51	2.51	3.50	15.75				

	Carolina Carolina		<u>_</u>										Att	Attachment: 5		Cohilete
CATEGORY	RATE ELEMENTS		Zone	S	osn			RATES (\$)					2 - 2 4 5 E	Incremental Charge - Manual Svc Order va. Electronic-	Incremental Charge - Manual Svc Order vs. Electronic-	Incremental Charge - Manual Svc Order vs. Electronic-
											Der LSH	Dertsh	¥	Addi	Disc 1st	Disc Add'I
		I	\dagger			2	Nonre	Nonrecurring	Nonrecurring	Nonrecurring Disconnect			ASS B	OSS RATES (S)		
			\dagger				First	Addil	First	Add'I	SOMEC	SOMAN	SOMAN	SOMAN	NAMOS	SOLIAN
NOTE	NOTE: Any element that can be ordered electronically will be builted accounting to the course.	- Proposition	100	Course of the state of												-
applier	CRITICAL De Ordered electronically at present por the BBR-LO, the listed SOMEC rate reflects the charge applied to a CLEC's bill when it submittes an LGR to BellSouth. INTERIM SERVICE BENJUMED AN MERCET AND THE STATEMENT OF TH	d SOME	S S	facts the charge t	set would t	that would be billed to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the manual ordering charge, SOMAN, will be	EC once elect	ronic ordering	capabilities co	Loj to determi me on-line for	ne ir a produ that element	ct can be on Otherwise	dered electro , the menual	inically. For ordering cha	those elemen rge, SOMAN,	ts that will be
	BC STATES NOMBER FOR ABILITY REP		-													
	mor, per number ported (Business Line)				TNPBL	98.	20	ì	020							
	nor, per number ported (Hesidence Line)		-		TAPA	8	7.0		3 5		200		19.99	19.99	19.99	19.99
	HCF, add't capacity for simultaneous call forwarding, per		-				7		(S)		3.50		19.39	19.99	19.99	19 90
-	additional path					0.32										
_	P.C. per service druer, per rocation (Business)		1		TNPBD		2.73	2.73			190		200			
The same of	True, per service growt, per location (Hesidence)				TAPRO		273	27.0			800		200	19.99	19.90	19.99
NIEMEN SERV	M SERVICE PROVIDER NUMBER PORTABILITY - DID		H					5,12			3.50		19.80	19.99	19.99	19.99
T	DID per number ported (Residence)		H		TAPDA		30.0									
1	UID per number ported (Business)				AUGNI		300				3.50		19.39	19.99	19.99	19.99
	DID per service order, per location (Residence)		H		Uddyl		07.0	0 0			3.50		19.99	19.99	19.99	19.99
	DID per service order, per location (Business)		L		CHOOL		27.70	2.73			3.50		19.99	19.99	19.99	19.99
	DID, per trunk termination, Initial		H		TMOTO	27 77	6.13	2.03			3.50		19.99	19.99	19.99	966
Note: h	Note: If no rate is identified in the contract, the rate for the specific service or function will be see as to	ervice or	function	n will be se set for	of the control	A Police	21/.80	74.00			3.50		19.99	19.98	19.99	19.99
						must appreciate consocial tents of as negotiated by the Parties upon request by either Party.	SE 10 10 110	Suzged by me	Parties upon	equest by eith	r Party.		-			

			-										¥	Attachment: 5		
CATEGORY	RATE EL EMENTS	ig e	Zone	SS SS	nsoc			RATES (5)			Svc Order Submitted Elec per LSR	Svc Order Svc Order Submitted Submitted Elec Manually per LSR	Incremental Charge - Manuel Svc Order vs. Electronic-	Charge - Cha	Incremental Charge - Manual Svc Order vs. Electronic-	Incremental Charge - Manual Svc Order vs. Electronic
						Rec	Nonre	Nonrecurring	Nonrecurring Disconnect	Disconnect			880	OSC BATEC (e)		
			\dagger				First	Addil	First	Add'!	SOMEC	SOMAN	SOMAN	SOHAN	SOMAN	SOMAN
NOTE: Any element that can be	NOTE: Any element that can be ordered electronically will be billed according to the Source and Italy	- Constitution	- 1	COMPET TAN ILA.												
cannot be ordered electronically at present per the BBR-LO, a soolled to a CLEC's bill when it enhants an i SP to Relevant.	cannot be ordered electronically at present per the BBR-LO, the listed SOMEC rate reflects the charge applied to a CLEC's bill when it submits an its a ballsouth.	d SOME(hat would t	er to belied to a Cl	LEC once elect	An Freeze rore to beliabilities business trusse for Local Ordering (BBR-LC) to determine if a product can be ordered electronically. For those elements that in the would be billed to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the manual ordering charge, SOMAN, will be	rdering (BBR- apabilities co	LO) to determ me on-line for	ne if a prod that elemer	uct can be o it. Otherwis	rdened electr e, the manua	onically. For I ordering ch	those eleme arge, SOMAN	its that will be
INTERIM SERVICE PROVIDER NUMBER PORTABILITY - RCF	R PORTABILITY - RCF		t													
RCF, per number ported (Business Line)	(Business Line)	T	+		TADA	896		90.0	8							
ROF, per number ported (Recidence Line)	(Residence Line)	Ī			TAPRI	896	960	98	200	800	3.50		19.39	19.99	19.99	19.99
RCF, Per Additional Path			t		-	3 7		870	23.0	20.0	3.50		19.99	19.99	19.99	19.39
RCF, add1 capacity for si	RCF, add1 capacity for simultaneous call forwarding, per		t			\$						1				
additional path						0.3854										
HCF, per service order, per location (Business)	er location (Business)		1		TNPBD		1.37	1.37	44.70	44.70	3.50		19 90	10.00	40.00	00 00
INTERNISERVICE PROVIDER WINNER DOUGLON (HOSIOBICO)	B DOCTABLE TTV - DATA	1	†		2		1.37	1.37	44.70	44.70	3.50		19.99	19.99	19.90	00.01
DID per number ported (Residence)	(esidence)	\dagger	t		OUGINE		3,0									
DID per number ported (Business)	Weiness)		t		90dN		0.43	0.43	0.47	0.47	3.50	15.88				
DND per service order, per location (Residence)	location (Residence)		Н		TNPRD		1.37	137	44.70	44.70	350	8 3				
DID per servce order, per location (Business	location (Business)				TNPBD		1.37	1.37	07.44	44 70	3 50	15.60				
DAD, per mink termination, initial	, intra	1	1		TNPT2	73.62	191.07	191.07	28.84	28.84	3.50	15.69				
SERVICE PROVIDER NUMBER PORTABILITY (RIPHA	L Subsequent	\dagger	\dagger			73.62	71.00	71.00	28.84	28.84	3.50	15.69				
RIPH, Functionality, Per Central Ofc	Sentral Ofc	T	\dagger				80.03	80 08	Caro	04.0						
RIPH, Functionality, Per Rearrangement	наталдетеnt		H				19.86	19.86	3	20.3	Ī	80.01				
Motor Washington			H			2.02	0.20	020	0.20	0.20		15.69	l			
THE PERSON OF PERSON IN THE PE	TOUR. If the late is too funded in the contract, the late for the special service of function will be as set i	2000	1	on will be as set to	th in applic	orth in applicable BellSouth tariff or as necotiated by the Parties mounted by other Burt.	thriff or as next	antisted by the	Destine sales	Antones her alle	1					

FATE ELEMENTS Infart ELEMENTS Infart ELEMENTS Infart ELEMENTS Informer Elements Info		TOWNS TO THE STATE OF THE STATE	9886											A P	Attachment 5		Contribute
Help billed according to the SOMEC rate listed. Please refer to BeliSouth's Business Rules for Local Ordering (BBR-LO) to desemble if a product can be ordered electronically. For those elements the iliSouth. INPRI	CATEGORY			Zone	S	nsoc			RATES (\$)			Svc Order Submitted		!	Incremental Charge - Manual Svc Order vs. Electronic-	incremental Charge - Manual Svc Order vs. Electronic-	12 3 3
Will be billed according to the SOMEC rate listed. Please refer to BeliSouth's Business Rules for Local Ordering (BBR-LO) to desermine if a product can be ordered electronically. For those elements the alisted SOMEC rate listed SOMEC rate listed. Please refer to BeliSouth's Business Rules for Local Ordering (BBR-LO) to desermine if a product can be ordered electronically. For those elements the alisted SOMEC rate listed. The BeliSouth and the according charge, SOMAN, will be as a set forth in applicable BeliSouth tariff or as negotiated by the Parties upon request by either Party.							Γ	Norrecurring		Nonrecurrin	a Disconnect		Der LSR	181	Add"i	Disc 1st	Disc Add'i
Will be billed according to the SOMEC rate listed. Please refer to BellSouth's Business Rules for Local Ordering (BBR-LO) to determine if a product can be ordered electronically. For those elements the site of control of the charge that would be hilled to a CLEC once electronic ordering capabilities come on-line for that element. Otherwise, the menual ordering charge, SOMAN, will be seen forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.	H			\dagger				First	Addii	First	AddT	_	L	SOMAN	SOUTH	SOMAN	SOMAN
3FPLO, the listed SOBIEC rate reflects the charge that would be billed to a CLEC ence electronic ordering (SBR-LO) to determine if a product can be ordered electronically. For those elements that illsouth. ISSuch. TAPEL 1.50 SC ONDING CEC once electronic ordering capabilities come on-line for that element. Otherwise, the manual ordering charge, SOMAN, will be seen that the specific service or function will be as set forth in applicable BellSouth tarfff or as negotiated by the Parties upon request by either Party. 3.50 19.99 19.99	Ş E	: Any element that can be ordered electronically will be billed	Coording	to the	SOURCE rate liebard	No.	A Delline										-
rig. per TNPBL 1.50	applie	t be ordered electronically at present per the BSR-LO, the liss of to a CLEC's bill when it submits an LSR to BellSouth.	d SOME	2	flects the charge (hat would b	e to belied to a CL	s Business Ru EC once electr	les for Local (onlc ordening	Adening (BBR Capabilities o	LO) to determ ome on-line for	ne if a produ that element	t can be ord Otherwise,	fered electro	nically. For ordering cha	hose elemer rge, SOMAN	is thet will be
TNPBL 1.50		VICE PROVIDER NUMBER PORTABILITY - RCF		-													
TNPRIL 125 25.00 25.00 3.50 19.99	1	Proc. per number poned (Business Line)				TNPBL	1.50					1	1				
TNPBD 25.00 25.00 3.50 19.99	1	DOE add control for the sound in the sound i				INPRI	1.25					l					
TNPBD 25.00 25.00 25.00 19.99 <th< td=""><td></td><td>additional path</td><td></td><td></td><td></td><td></td><td>SH C</td><td></td><td></td><td></td><td></td><td>I</td><td>+</td><td></td><td></td><td></td><td></td></th<>		additional path					SH C					I	+				
18-90	1	HCF, per service order, per location (Business)		l		TAPAD	3	25.00	20.00								
Arth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.		HCF, per service order, per location (Residence)		l		UBDI		38.5	8 6			3.50		19.99	19.99	19.99	8 61
And it appreciate beneath tariff or as negotiated by the Parties upon request by either Party.	Note:	if no rate is identified in the contract, the rate for the specific	ervice or	finction	of the se and like Co.	the in earlier	the Dalle at	30.00	25.00			3.50		19.99	19.99	8 6	90 00
						THE STATE OF	Wild Deligorian	CALTIL OF SEE ING.	ottated by the	Parties upon	request by eith	or Party.					8000

Attachment 6

Pre-Ordering, Ordering and Provisioning, Maintenance and Repair

TABLE OF CONTENTS

1.	QUALITY OF PRE-ORDERING, ORDERING, PROVISIONING, MAINTENANCE AND REPAIR3
2.	ACCESS TO OPERATIONS SUPPORT SYSTEMS3
	MISCELLANEOUS5

PRE-ORDERING, ORDERING, PROVISIONING, MAINTENANCE AND REPAIR

1. QUALITY OF PRE-ORDERING, ORDERING, PROVISIONING, MAINTENANCE AND REPAIR

- BellSouth shall provide pre-ordering, ordering, provisioning, and maintenance and repair services to Navigator that are equivalent to the pre-ordering, ordering, provisioning, and maintenance and repair services BellSouth provides to itself or any other CLEC, where technically feasible. The guidelines for pre-ordering, ordering, provisioning, and maintenance and repair are set forth in the various guides and business rules, as appropriate, and as they are amended from time to time during this Agreement. The guides and business rules are found at http://www.interconnection.bellsouth.com and are incorporated herein by reference.
- 1.2 For purposes of this Agreement, BellSouth's regular working hours for provisioning are defined as follows:

Monday - Friday - 8:00 a.m. - 5:00 p.m. (Excluding Holidays)

(Resale/UNE non-coordinated, coordinated orders and order coordinated-time specific)

Saturday -

8:00 a.m. – 5:00 p.m. (Excluding Holidays)
(Resale/UNE non-coordinated orders)

- 1.2.1 The above hours represent the hours, either Eastern or Central Time, of the location where the physical work is being performed.
- 1.2.2 To the extent Navigator requests provisioning of service to be performed outside BellSouth's regular working hours, or the work so requested requires BellSouth's technicians or Project Manager to work outside of regular working hours, overtime billing charges shall apply. Notwithstanding the foregoing, if such work is performed outside of regular working hours by a BellSouth technician or Project Manager during his or her scheduled shift and BellSouth does not incur any overtime charges in performing the work on behalf of Navigator, BellSouth will not assess Navigator additional charges beyond the rates and charges specified in this Agreement.

2. ACCESS TO OPERATIONS SUPPORT SYSTEMS

2.1 BellSouth shall provide Navigator access to operations support systems ("OSS") functions for pre-ordering, ordering, provisioning, maintenance and repair, and billing. BellSouth shall provide access to the OSS through manual and/or electronic interfaces as described in this Attachment. It is the sole responsibility of

Version 1Q02: 02/20/02

Navigator to obtain the technical capability to access and utilize BellSouth's OSS interfaces. Specifications for Navigator's access and use of BellSouth's electronic interfaces are set forth at www.interconnection.bellsouth.com and are incorporated herein by reference.

- Pre-Ordering. In accordance with FCC and Commission rules and orders, 2.1.1 BellSouth will provide electronic access to the following pre-ordering functions: service address validation, telephone number selection, service and feature availability, due date information, customer record information and loop makeup information. Access is provided through the Local Exchange Navigation System (LENS) interface and the Telecommunications Access Gateway (TAG) interface. Customer record information includes customer specific information in CRIS and RSAG. Navigator shall provide to BellSouth access to customer record information including circuit numbers associated with each telephone number where applicable. Navigator shall provide such information within four (4) hours after request via electronic access where available. If electronic access is not available, Navigator shall provide to BellSouth paper copies of customer record information including circuit numbers associated with each telephone number where applicable within twenty-four (24) hours of request. The Parties agree not to view, copy, or otherwise obtain access to the customer record information of any customer without that customer's permission. Navigator will obtain access to customer record information only in strict compliance with applicable laws, rules, or regulations of the State in which the service is provided. BellSouth reserves the right to audit Navigator's access to customer record information. If a BellSouth audit of Navigator's access to customer record information reveals that Navigator is accessing customer record information without having obtained the proper End User authorization, BellSouth upon reasonable notice to Navigator may take corrective action, including but not limited to suspending or terminating Navigator's electronic access to BellSouth's OSS functionality. All such information obtained through an audit shall be deemed Information covered by the Proprietary and Confidential Information section in the General Terms and Conditions of this Agreement.
- 2.1.2 <u>Service Ordering</u>. BellSouth will make available the Electronic Data Interchange (EDI) interface and the TAG ordering interface for the purpose of exchanging order information, including order status and completion notification, for non-complex and certain complex resale requests and certain network elements. Navigator may integrate the EDI interface or the TAG ordering interface with the TAG pre-ordering interface. In addition, BellSouth will provide integrated pre-ordering and ordering capability through the LENS interface for non-complex and certain complex resale service requests and certain network element requests.
- 2.1.3 <u>Maintenance and Repair</u>. Navigator may report and monitor service troubles and obtain repair services from BellSouth via electronic interfaces. BellSouth provides several options for electronic trouble reporting. For exchange services, BellSouth will offer Navigator non-discriminatory access to the Trouble Analysis Facilitation Interface (TAFI). In addition, BellSouth will offer an industry standard, machine-

Version 1Q02: 02/20/02

to-machine Electronic Communications Trouble Administration (ECTA) Gateway interface. For designed services, BellSouth will provide non-discriminatory trouble reporting via the ECTA Gateway. BellSouth will provide Navigator an estimated time to repair, an appointment time or a commitment time, as appropriate, on trouble reports. Requests for trouble repair will be billed in accordance with the provisions of this Attachment. BellSouth and Navigator agree to adhere to BellSouth's Operational Understanding, as amended from time to time during this Agreement and as incorporated herein by reference. The Operational Understanding may be accessed via the Internet at http://www.interconnection.bellsouth.com.

- Change Management. BellSouth provides a collaborative process for change management of the electronic interfaces through the Change Control Process (CCP). Guidelines for this process are set forth in the CCP document as amended from time to time during this Agreement. The CCP document may be accessed via the Internet at http://www.interconnection.bellsouth.com.
- BellSouth's Versioning Policy for Electronic Interfaces. BellSouth's Versioning Policy is part of the Change Control Process (CCP). Pursuant to the CCP, BellSouth will issue new software releases for new industry standards for its EDI and TAG electronic interfaces. The Versioning Policy, including the appropriate notification to Navigator, is set forth in the CCP document as amended from time to time during this Agreement. The CCP document may be accessed via the Internet at http://www.interconnection.bellsouth.com.
- 2.4 Rates. Charges for use of OSS shall be as set forth in Attachments 1 and 2 of this Agreement and are incorporated herein by reference.

3. MISCELLANEOUS

- Pending Orders. Orders placed in the hold or pending status by Navigator will be held for a maximum of thirty (30) days from the date the order is placed on hold. After such time, Navigator shall be required to submit a new service request. Incorrect or invalid requests returned to Navigator for correction or clarification will be held for thirty (30) days. If Navigator does not return a corrected request within thirty (30) days, BellSouth will cancel the request.
- Single Point of Contact. Navigator will be the single point of contact with BellSouth for ordering activity for network elements and other services used by Navigator to provide services to its end users, except that BellSouth may accept a request directly from another CLEC, or BellSouth, acting with authorization of the affected end user. Navigator and BellSouth shall each execute a blanket letter of authorization with respect to customer requests. The Parties shall each be entitled to adopt their own internal processes for verification of customer authorization for requests, provided, however, that such processes shall comply with applicable state and federal law including, until superseded, the FCC guidelines and orders applicable to Presubscribed Interexchange Carrier (PIC) changes, including Un-

PIC. Pursuant to a request from another carrier, BellSouth may disconnect any network element being used by Navigator to provide service to that end user and may reuse such network elements or facilities to enable such other carrier to provide service to the end user. BellSouth will notify Navigator that such a request has been processed, but will not be required to notify Navigator in advance of such processing.

- Use of Facilities. When a customer of Navigator elects to discontinue service and to transfer service to another local exchange carrier, including BellSouth, BellSouth shall have the right to reuse the facilities provided to Navigator by BellSouth. In addition, where BellSouth provides local switching, BellSouth may disconnect and reuse facilities when the facility is in a denied state and BellSouth has received a request to establish new service or transfer of service from a customer or a customer's CLEC at the same address served by the denied facility. BellSouth will notify Navigator that such a request has been processed after the disconnect order has been completed.
- 3.4 <u>Contact Numbers</u>. The Parties agree to provide one another with toll-free nation-wide (50 states) contact numbers for the purpose of ordering, provisioning and maintenance of services.
- 3.5 <u>Subscription Functions</u>. In cases where BellSouth performs subscription functions for an interexchange carrier ("IXC") (i.e. PIC and LPIC changes via Customer Account Record Exchange (CARE)), BellSouth will provide the affected IXCs with the Operating Company Number (OCN) of the local provider for the purpose of obtaining end user billing account and other end user information required under subscription requirements.
- 3.6 Cancellation Charges. If Navigator cancels a request for network elements or other services, any costs incurred by BellSouth in conjunction with the provisioning of that request will be recovered in accordance with BellSouth's Private Line Tariff or BellSouth's FCC No. 1 Tariff, Section 5.4, as applicable. Notwithstanding the foregoing, if Navigator places an LSR based upon BellSouth's loop makeup information, and such information is inaccurate resulting in the inability of BellSouth to provision the network elements or services requested in accordance with the transmission characteristics of the network elements or services requested, cancellation charges described in this Section shall not apply. Where Navigator places a single LSR for multiple network elements or services based upon loop makeup information, and information as to some, but not all, of the network elements or services is inaccurate, if BellSouth cannot provision the network elements or services that were the subject of the inaccurate loop makeup information, Navigator may cancel its request for those network elements or services without incurring cancellation charges as described in this Section. In such instance, should Navigator elect to cancel the entire LSR, cancellation charges as described in this Section shall apply to those elements and services that were not the subject of inaccurate loop makeup.

3.7 <u>Service Date Advancement Charges (a.k.a. Expedites)</u>. For Service Date Advancement requests by Navigator, Service Date Advancement charges will apply for intervals less than the standard interval as outlined in the BellSouth Product and Services Interval Guide. The charges as outlined in BellSouth's FCC No. 1 Tariff, Section 5, will apply as applicable.

Attachment 7

Billing

TABLE OF CONTENTS

1.	PAYMENT AND BILLING ARRANGEMENTS	3
2.	BILLING DISPUTES	6
3.	RAO HOSTING	······7
4.	OPTIONAL DAILY USAGE FILE	10
5.	ACCESS DAILY USAGE FILE	
Ra	ates	Exhibit A

BILLING.

1. PAYMENT AND BILLING ARRANGEMENTS

The terms and conditions set forth in this Attachment shall apply to all services ordered and provisioned pursuant to this Agreement.

- Billing. BellSouth will bill through the Carrier Access Billing System (CABS) and through the Customer Records Information System (CRIS) depending on the particular service(s) provided to Navigator under this Agreement. BellSouth will format all bills in CBOS Standard or CLUB/EDI format, depending on the type of service provided. For those services where standards have not yet been developed, BellSouth's billing format will change as necessary when standards are finalized by the applicable industry forum.
- For any service(s) BellSouth receives from Navigator, Navigator shall bill BellSouth in CABS format.
- 1.1.2 If either Party requests multiple billing media or additional copies of bills, the Billing Party will provide these at a reasonable cost.
- 1.1.3 Any switched access charges associated with interexchange carrier access to the resold local exchange lines will be billed by, and due to BellSouth.
- 1.1.4 BellSouth will render bills each month for resold lines on established bill days for each of Navigator's accounts. If either Party requests multiple billing media or additional copies of the bills, the Billing Party will provide these at a reasonable cost.
- BellSouth will bill Navigator in advance for all resold services to be provided during the ensuing billing period except charges associated with service usage, which will be billed in arrears. Charges will be calculated on an individual End User account level, including, if applicable, any charge for usage or usage allowances. BellSouth will also bill Navigator, and Navigator will be responsible for and remit to BellSouth, all charges applicable to resold services including but not limited to 911 and E911 charges, End Users common line charges, federal subscriber line charges, telecommunications relay charges (TRS), and franchise fees.
- 1.1.6 BellSouth will not perform billing and collection services for Navigator as a result of the execution of this Agreement. All requests for billing services should be referred to the appropriate entity or operational group within BellSouth.
- Establishing Accounts. After receiving certification as a local exchange carrier from the appropriate regulatory agency, Navigator will provide the appropriate BellSouth account manager the necessary documentation to enable BellSouth to establish accounts for Local Interconnection, Network Elements and Other

Services, Collocation and/or resold services. Such documentation shall include the Application for Master Account, if applicable, proof of authority to provide telecommunications services, the appropriate Operating Company Number (OCN) assigned by the National Exchange Carriers Association (NECA), Carrier Identification Code (CIC), Group Access Code (GAC), Access Customer Name and Abbreviation (ACNA), as applicable, and a tax exemption certificate, if applicable.

- 1.2.1 Payment Responsibility. Payment of all charges will be the responsibility of Navigator. Navigator shall make payment to BellSouth for all services billed. Payments made by Navigator to BellSouth as payment on account will be credited to Navigator's accounts receivable master account. BellSouth will not become involved in billing disputes that may arise between Navigator and Navigator's customer.
- Payment Due. Payment for services provided will be due on or before the next bill date (i.e., same date in the following month as the bill date) and is payable in immediately available funds. Payment is considered to have been made when received by BellSouth.
- 1.4 If the payment due date falls on a Sunday or on a Holiday that is observed on a Monday, the payment due date shall be the first non-Holiday day following such Sunday or Holiday. If the payment due date falls on a Saturday or on a Holiday which is observed on Tuesday, Wednesday, Thursday, or Friday, the payment due date shall be the last non-Holiday day preceding such Saturday or Holiday. If payment is not received by the payment due date, a late payment charge, as set forth in Section 1.6, below, shall apply.
- 1.5 <u>Tax Exemption</u>. Upon BellSouth's receipt of tax exemption certificate, the total amount billed to Navigator will not include those taxes or fees from which Navigator is exempt. Navigator will be solely responsible for the computation, tracking, reporting and payment of all taxes and like fees associated with the services provided to the end user of Navigator.
- Late Payment. If any portion of the payment is received by BellSouth after the payment due date as set forth preceding, or if any portion of the payment is received by BellSouth in funds that are not immediately available to BellSouth, then a late payment charge shall be due to BellSouth. The late payment charge shall be the portion of the payment not received by the payment due date multiplied by a late factor and will be applied on a per bill basis. The late factor shall be as set forth in Section A2 of the General Subscriber Services Tariff, Section B2 of the Private Line Service Tariff or Section E2 of the Intrastate Access Tariff, as appropriate. In addition to any applicable late payment charges, Navigator may be charged a fee for all returned checks as set forth in Section A2 of the General Subscriber Services Tariff or pursuant to the applicable state law.

- 1.7 <u>Discontinuing Service to Navigator</u>. The procedures for discontinuing service to Navigator are as follows:
- 1.7.1 BellSouth reserves the right to suspend or terminate service in the event of prohibited, unlawful or improper use of BellSouth facilities or service, abuse of BellSouth facilities, or any other violation or noncompliance by Navigator of the rules and regulations of BellSouth's tariffs.
- 1.7.2 BellSouth reserves the right to suspend or terminate service for nonpayment. If payment of amounts not subject to a billing dispute, as described in Section 2, is not received by the bill date in the month after the original bill date, BellSouth will provide written notice to Navigator that additional applications for service may be refused, that any pending orders for service may not be completed, and/or that access to ordering systems may be suspended if payment is not received by the fifteenth day following the date of the notice. In addition, BellSouth may, at the same time, provide written notice to the person designated by Navigator to receive notices of noncompliance that BellSouth may discontinue the provision of existing services to Navigator if payment is not received by the thirtieth day following the date of the initial notice.
- 1.7.3 In the case of such discontinuance, all billed charges, as well as applicable termination charges, shall become due.
- 1.7.4 If BellSouth does not discontinue the provision of the services involved on the date specified in the thirty days notice and Navigator's noncompliance continues, nothing contained herein shall preclude BellSouth's right to discontinue the provision of the services to Navigator without further notice.
- 1.7.5 Upon discontinuance of service on Navigator's account, service to Navigator's end users will be denied. BellSouth will reestablish service for Navigator upon payment of all past due charges and the appropriate connection fee subject to BellSouth's normal application procedures. Navigator is solely responsible for notifying the end user of the proposed service disconnection. If within fifteen (15) days after Navigator has been denied and no arrangements to reestablish service have been made consistent with this subsection, Navigator's service will be disconnected.
- 1.8 <u>Deposit Policy.</u> Navigator shall complete the BellSouth Credit Profile and provide information to BellSouth regarding credit worthiness. Based on the results of the credit analysis, BellSouth reserves the right to secure the account with a suitable form of security deposit. Such security deposit shall take the form of cash, an Irrevocable Letter of Credit (BellSouth form), Surety Bond (BellSouth form) or, in BellSouth's sole discretion, some other form of security. Any such security deposit shall in no way release Navigator from its obligation to make complete and timely payments of its bill. Navigator shall pay any applicable deposits prior to the inauguration of service. If, in the sole opinion of BellSouth, circumstances so

warrant and/or gross monthly billing has increased beyond the level initially used to determine the level of security deposit, BellSouth reserves the right to request additional security and/or file a Uniform Commercial Code (UCC-1) security interest in Navigator's "accounts receivables and proceeds." Interest on a security deposit, if provided in cash, shall accrue and be paid in accordance with the terms in the appropriate BellSouth tariff. Security deposits collected under this Section shall not exceed two months' estimated billing. In the event Navigator fails to remit to BellSouth any deposit requested pursuant to this Section, service to Navigator may be terminated in accordance with the terms of Section 1.7 of this Attachment, and any security deposits will be applied to Navigator's account(s).

- Notices. Notwithstanding anything to the contrary in this Agreement, all bills and notices regarding billing matters, including notices relating to security deposits, disconnection of services for nonpayment of charges, and rejection of additional orders from Navigator, shall be forwarded to the individual and/or address provided by Navigator in establishment of its billing account(s) with BellSouth, or to the individual and/or address subsequently provided by Navigator as the contact for billing information. All monthly bills and notices described in this Section shall be forwarded to the same individual and/or address; provided, however, upon written notice from Navigator to BellSouth's billing organization, a final notice of disconnection of services purchased by Navigator under this Agreement shall be sent via certified mail to the individual(s) listed in the Notices provision of the General Terms and Conditions of this Agreement at least 30 days before BellSouth takes any action to terminate such services.
- 1.10 Rates. Rates for Optional Daily Usage File (ODUF), Access Daily Usage File (ADUF), and Centralized Message Distribution Service (CMDS) are set out in Exhibit A to this Attachment. If no rate is identified in this Attachment, the rate for the specific service or function will be as set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.

2. BILLING DISPUTES

- Each Party agrees to notify the other Party in writing upon the discovery of a billing dispute. Navigator shall report all billing disputes to BellSouth using the Billing Adjustment Request Form (RF 1461) provided by BellSouth. In the event of a billing dispute, the Parties will endeavor to resolve the dispute within sixty (60) calendar days of the notification date. If the Parties are unable within the 60 day period to reach resolution, then the aggrieved Party may pursue dispute resolution in accordance with the General Terms and Conditions of this Agreement.
- For purposes of this Section 2, a billing dispute means a reported dispute of a specific amount of money actually billed by either Party. The dispute must be clearly explained by the disputing Party and supported by written documentation, which clearly shows the basis for disputing charges. By way of example and not

by limitation, a billing dispute will not include the refusal to pay all or part of a bill or bills when no written documentation is provided to support the dispute, nor shall a billing dispute include the refusal to pay other amounts owed by the billed Party until the dispute is resolved. Claims by the billed Party for damages of any kind will not be considered a billing dispute for purposes of this Section. If the billing dispute is resolved in favor of the billing Party, the disputing Party will make immediate payment of any of the disputed amount owed to the billing Party or the billing Party shall have the right to pursue normal treatment procedures. Any credits due to the disputing Party, pursuant to the billing dispute, will be applied to the disputing Party's account by the billing Party immediately upon resolution of the dispute.

2.3 If a Party disputes a charge and does not pay such charge by the payment due date, or if a payment or any portion of a payment is received by either Party after the payment due date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other Party, then a late payment charge and interest, where applicable, shall be assessed. For bills rendered by either Party for payment, the late payment charge for both Parties shall be calculated based on the portion of the payment not received by the payment due date multiplied by the late factor as set forth in the following BellSouth tariffs: for services purchased from the General Subscribers Services Tariff for purposes of resale and for ports and non-designed loops, Section A2 of the General Subscriber Services Tariff; for services purchased from the Private Line Tariff for purposes of resale, Section B2 of the Private Line Service Tariff; and for designed network elements and other services and local interconnection charges, Section E2 of the Access Service Tariff. The Parties shall assess interest on previously assessed late payment charges only in a state where it has the authority pursuant to its tariffs.

3. RAO HOSTING

- RAO Hosting, Calling Card and Third Number Settlement System (CATS) and Non-Intercompany Settlement System (NICS) services provided to Navigator by BellSouth will be in accordance with the methods and practices regularly applied by BellSouth to its own operations during the term of this Agreement, including such revisions as may be made from time to time by BellSouth.
- Navigator shall furnish all relevant information required by BellSouth for the provision of RAO Hosting, CATS and NICS.
- Charges or credits, as applicable, will be applied by BellSouth to Navigator on a monthly basis in arrears. Amounts due (excluding adjustments) are payable within thirty (30) days of receipt of the billing statement.
- Navigator must have its own unique hosted RAO code. Where BellSouth is the selected CMDS interfacing host, Navigator must request that BellSouth establish a unique hosted RAO code for Navigator. Such request shall be in writing to the

BellSouth RAO Hosting coordinator and must be submitted at least eight (8) weeks prior to provision of services pursuant to this Section. Services shall commence on a date mutually agreed by the Parties.

- 3.5 BellSouth will receive messages from Navigator that are to be processed by BellSouth, another LEC in the BellSouth region or a LEC outside the BellSouth region. Navigator shall send all messages to BellSouth no later than sixty (60) days after the message date.
- 3.6 BellSouth will perform invoice sequence checking, standard EMI format editing, and balancing of message data with the EMI trailer record counts on all data received from Navigator.
- All data received from Navigator that is to be processed or billed by another LEC within the BellSouth region will be distributed to that LEC in accordance with the Agreement(s) in effect between BellSouth and the involved LEC.
- All data received from Navigator that is to be placed on the CMDS network for distribution outside the BellSouth region will be handled in accordance with the agreement(s) in effect between BellSouth and its connecting contractor.
- 3.9 BellSouth will receive messages from the CMDS network that are destined to be processed by Navigator and will forward them to Navigator on a daily basis for processing.
- 3.10 Transmission of message data between BellSouth and Navigator will be via CONNECT:Direct.
- 3.10.1 Data circuits (private line or dial-up) will be required between BellSouth and Navigator for the purpose of data transmission. Where a dedicated line is required, Navigator will be responsible for ordering the circuit and coordinating the installation with BellSouth. Navigator is responsible for any charges associated with this line. Equipment required on the BellSouth end to attach the line to the mainframe computer and to transmit data will be negotiated on a individual case basis. Where a dial-up facility is required, dial circuits will be installed in the BellSouth data center by BellSouth and the associated charges assessed to Navigator. Additionally, all message toll charges associated with the use of the dial circuit by Navigator will be the responsibility of Navigator. Associated equipment on the BellSouth end, including a modem, will be negotiated on a individual case basis between the Parties. All equipment, including modems and software, that is required on the Navigator end for the purpose of data transmission will be the responsibility of Navigator.

- All messages and related data exchanged between BellSouth and Navigator will be formatted for EMI formatted records and packed between appropriate EMI header and trailer records in accordance with accepted industry standards.
- Navigator will maintain recorded message detail necessary to recreate files provided to BellSouth for a period of three (3) calendar months beyond the related message dates.
- 3.13 Should it become necessary for Navigator to send data to BellSouth more than sixty (60) days past the message date(s), Navigator will notify BellSouth in advance of the transmission of the data. BellSouth will work with its connecting contractor and/or Navigator, where necessary, to notify all affected LECs.
- In the event that data to be exchanged between the two Parties should become lost or destroyed, the Party responsible for creating the data will make every effort to restore and retransmit such data. If the data cannot be retrieved, the Party responsible for losing or destroying the data will be liable to the other Party for any resulting lost revenue. Lost revenue may be a combination of revenues that could not be billed to the end users and associated access revenues. Both Parties will work together to estimate the revenue amount based upon historical data through a method mutually agreed upon. The resulting estimated revenue loss will be paid by the responsible Party to the other Party within three (3) calendar months of the resolution of the amount owed, or as mutually agreed upon by the Parties.
- 3.15 Should an error be detected by the EMI format edits performed by BellSouth on data received from Navigator, the entire pack containing the affected data will not be processed by BellSouth. BellSouth will notify Navigator of the error. Navigator will correct the error(s) and will resend the entire pack to BellSouth for processing. In the event that an out-of-sequence condition occurs on subsequent packs, Navigator will resend these packs to BellSouth after the pack containing the error has been successfully reprocessed by BellSouth.
- In association with message distribution service, BellSouth will provide Navigator with associated intercompany settlements reports (CATS and NICS) as appropriate.
- Notwithstanding anything in this Agreement to the contrary, in no case shall either Party be liable to the other for any direct or consequential damages incurred as a result of the obligations set out in this Section 3.
- 3.18 Intercompany Settlements Messages
- 3.18.1 Intercompany Settlements Messages facilitate the settlement of revenues associated with traffic originated from or billed by Navigator as a facilities based provider of local exchange telecommunications services outside the BellSouth region. Only traffic that originates in one Bell operating territory and bills in

another Bell operating territory is included. Traffic that originates and bills within the same Bell operating territory will be settled on a local basis between Navigator and the involved company(ies), unless that company is participating in NICS.

- 3.18.2 Both traffic that originates outside the BellSouth region by Navigator and is billed within the BellSouth region, and traffic that originates within the BellSouth region and is billed outside the BellSouth region by Navigator, is covered by CATS. Also covered is traffic that either is originated by or billed by Navigator, involves a company other than Navigator, qualifies for inclusion in the CATS settlement, and is not originated or billed within the BellSouth region (NICS).
- 3.18.3 Once Navigator is operating within the BellSouth territory, revenues associated with calls originated and billed within the BellSouth region will be settled via NICS.
- 3.18.4 BellSouth will receive the monthly NICS reports from Telcordia on behalf of Navigator. BellSouth will distribute copies of these reports to Navigator on a monthly basis.
- 3.18.5 BellSouth will receive the monthly CATS reports from Telcordia on behalf of Navigator. BellSouth will distribute copies of these reports to Navigator on a monthly basis.
- 3.18.6 BellSouth will collect the revenue earned by Navigator from the Bell operating company in whose territory the messages are billed via CATS, less a per message billing and collection fee of five cents (\$0.05), on behalf of Navigator. BellSouth will remit the revenue billed by Navigator to the Bell operating company in whose territory the messages originated, less a per message billing and collection fee of five cents (\$0.05), on behalf on Navigator. These two amounts will be netted together by BellSouth and the resulting charge or credit issued to Navigator via a monthly Carrier Access Billing System (CABS) miscellaneous bill.
- 3.18.7 BellSouth will collect the revenue earned by Navigator within the BellSouth territory from another CLEC also within the BellSouth territory (NICS) where the messages are billed, less a per message billing and collection fee of five cents (\$0.05), on behalf of Navigator. BellSouth will remit the revenue billed by Navigator within the BellSouth region to the CLEC also within the BellSouth region, where the messages originated, less a per message billing and collection fee of five cents (\$0.05). These two amounts will be netted together by BellSouth and the resulting charge or credit issued to Navigator via a monthly CABS miscellaneous bill.
- 3.18.8 BellSouth and Navigator agree that monthly netted amounts of less than fifty dollars (\$50.00) will not be settled.

4. OPTIONAL DAILY USAGE FILE

4.1 Upon written request from Navigator, BellSouth will provide the Optional Daily Usage File (ODUF) service to Navigator pursuant to the terms and conditions set forth in this section. 4.2 Navigator shall furnish all relevant information required by BellSouth for the provision of the ODUF. 4.3 The ODUF feed will contain billable messages that were carried over the BellSouth Network and processed in the BellSouth Billing System, but billed to a Navigator customer. 4.4 Charges for the ODUF will appear on Navigators' monthly bills. The charges are as set forth in Exhibit A to this Attachment. 4.5 The ODUF feed will contain both rated and unrated messages. All messages will be in the standard Alliance for Telecommunications Industry Solutions (ATIS) EMI record format. 4.6 Messages that error in the billing system of Navigator will be the responsibility of Navigator. If, however, Navigator should encounter significant volumes of errored messages that prevent processing by Navigator within its systems, BellSouth will work with Navigator to determine the source of the errors and the appropriate resolution. 4.7 The following specifications shall apply to the ODUF feed. 4.7.1 ODUF Messages to be Transmitted 4.7.1.1 The following messages recorded by BellSouth will be transmitted to Navigator: 4.7.1.1.1 Message recording for per use/per activation type services (examples: Three -Way Calling, Verify, Interrupt, Call Return, etc.) 4.7.1.1.2 Measured billable Local 4.7.1.1.3 **Directory Assistance messages** 4.7.1.1.4 IntraLATA Toll 4.7.1.1.5 WATS and 800 Service 4.7.1.1.6 N11 4.7.1.1.7 Information Service Provider Messages 4.7.1.1.8 Operator Services Messages 4.7.1.1.9 Operator Services Message Attempted Calls (Network Element only)

- 4.7.1.1.10 Credit/Cancel Records 4.7.1.1.11 Usage for Voice Mail Message Service 4.7.1.2 Rated Incollects (messages BellSouth receives from other revenue accounting offices) can also be on ODUF. Rated Incollects will be intermingled with BellSouth recorded rated and unrated usage. Rated Incollects will not be packed separately. 4.7.1.3 BellSouth will perform duplicate record checks on records processed to ODUF. Any duplicate messages detected will be deleted and not sent to Navigator. 4.7.1.4 In the event that Navigator detects a duplicate on ODUF they receive from BellSouth, Navigator will drop the duplicate message and will not return the duplicate to BellSouth. 4.7.2 **ODUF Physical File Characteristics** 4.7.2.1 ODUF will be distributed to Navigator via CONNECT:Direct or another mutually agreed medium. The ODUF feed will be a variable block format (2476) with a Logical Record Link (LRECL) of 2472. The data on the ODUF feed will be in a non-compacted EMI format (175 byte format plus modules). It will be created on a daily basis Monday through Friday except holidays. Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN. 4.7.2.2 Data circuits (private line or dial-up) will be required between BellSouth and Navigator for the purpose of data transmission as set forth in Section 3.10.1 above. 4.7.3 **ODUF Packing Specifications** 4.7.3.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack. 4.7.3.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Navigator which BellSouth RAO that is sending the message. BellSouth and Navigator will use the invoice sequencing to
- 4.7.4 **ODUF Pack Rejection**
- 4.7.4.1 Navigator will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing

Navigator and resend the data as appropriate.

The data will be packed using ATIS EMI records.

control data exchange. BellSouth will be notified of sequence failures identified by

discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI error codes will be used. Navigator will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to Navigator by BellSouth.

4.7.5 ODUF Control Data

4.7.5.1 Navigator will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate Navigator's receipt of the pack and acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by Navigator for reasons stated in the above section.

4.7.6 ODUF Testing

4.7.6.1 Upon request from Navigator, BellSouth shall send ODUF test files to Navigator. The Parties agree to review and discuss the ODUF content and/or format. For testing of usage results, BellSouth shall request that Navigator set up a production (live) file. The live test may consist of Navigator's employees making test calls for the types of services Navigator requests on ODUF. These test calls are logged by Navigator, and the logs are provided to BellSouth. These logs will be used to verify the files. Testing will be completed within 30 calendar days from the date on which the initial test file was sent.

5. ACCESS DAILY USAGE FILE

- Upon written request from Navigator, BellSouth will provide the Access Daily Usage File (ADUF) service to Navigator pursuant to the terms and conditions set forth in this section.
- Navigator shall furnish all relevant information required by BellSouth for the provision of ADUF.
- ADUF will contain access messages associated with a port that Navigator has purchased from BellSouth
- Charges for ADUF will appear on Navigator's monthly bills. The charges are as set forth in Exhibit A to this Attachment. All messages will be in the standard ATIS EMI record format.
- Messages that error in the billing system of Navigator will be the responsibility of Navigator. If, however, Navigator should encounter significant volumes of errored messages that prevent processing by Navigator within its systems, BellSouth will work with Navigator to determine the source of the errors and the appropriate resolution.

5.6 ADUF Messages To Be Transmitted 5.6.1 The following messages recorded by BellSouth will be transmitted to Navigator: 5.6.1.1 Recorded originating and terminating interstate and intrastate access records associated with a port. 5.6.1.2 Recorded terminating access records for undetermined jurisdiction access records associated with a port. 5.6.2 BellSouth will perform duplicate record checks on records processed to ADUF. Any duplicate messages detected will be dropped and not sent to Navigator. 5.6.3 In the event that Navigator detects a duplicate on ADUF they receive from BellSouth, Navigator will drop the duplicate message and will not return the duplicate to BellSouth. 5.6.4 ADUF Physical File Characteristics 5.6.4.1 ADUF will be distributed to Navigator via CONNECT: Direct or another mutually agreed medium. The ADUF feed will be a fixed block format (2476) with an LRECL of 2472. The data on the ADUF feed will be in a non-compacted EMI format (210 byte). It will be created on a daily basis Monday through Friday except holidays. Details such as dataset name and delivery schedule will be addressed during negotiations of the distribution medium. There will be a maximum of one dataset per workday per OCN. 5.6.4.2 Data circuits (private line or dial-up) will be required between BellSouth and Navigator for the purpose of data transmission as set forth in Section 3.10.1 above. 5.6.5 **ADUF Packing Specifications** 5.6.5.1 A pack will contain a minimum of one message record or a maximum of 99,999 message records plus a pack header record and a pack trailer record. One transmission can contain a maximum of 99 packs and a minimum of one pack. 5.6.5.2 The OCN, From RAO, and Invoice Number will control the invoice sequencing. The From RAO will be used to identify to Navigator which BellSouth RAO is sending the message. BellSouth and Navigator will use the invoice sequencing to control data exchange. BellSouth will be notified of sequence failures identified by Navigator and resend the data as appropriate. The data will be packed using ATIS EMI records. 5.6.6 ADUF Pack Rejection

- Navigator will notify BellSouth within one business day of rejected packs (via the mutually agreed medium). Packs could be rejected because of pack sequencing discrepancies or a critical edit failure on the Pack Header or Pack Trailer records (i.e. out-of-balance condition on grand totals, invalid data populated). Standard ATIS EMI error codes will be used. Navigator will not be required to return the actual rejected data to BellSouth. Rejected packs will be corrected and retransmitted to Navigator by BellSouth.
- 5.6.7 ADUF Control Data
- Navigator will send one confirmation record per pack that is received from BellSouth. This confirmation record will indicate Navigator's receipt of the pack and acceptance or rejection of the pack. Pack Status Code(s) will be populated using standard ATIS EMI error codes for packs that were rejected by Navigator for reasons stated in the above section.
- 5.6.8 ADUF Testing
- 5.6.8.1 Upon request from Navigator, BellSouth shall send a test file of generic data to Navigator via Connect:Direct or Text File via E-Mail. The Parties agree to review and discuss the test file's content and/or format.

individual land	Anietanietalia Alabama											+	-	ALICOLA ISLICATION A		
CATEGORY	Promise Pathering	inted.	Zone	83	osn			RATES (5)			Svc Order Svc Order Submitted Submitted Elec Manually per LSR per LSR		Charge - Cha	Charge - Manual Svc Order vs. Electronic- Add'1	Charge - Manual Svc Order vs. Electronic- Disc 1st	Charge Manual Svc Order vs. Electronic- Disc Addri
						3	Monacouning	, admi	Nonrecumine	Nonrecurring Disconnect			OSS R	OSS RATES (5)		
			- 1			1	First	Addil	First	Addi	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
												1				
ON IE/AN IE/ANDS	- Lande											1	1			
	INTERESTANT VICAGE SILE VANIEN											1	1			
3	LANE: Money December nor moseson				NA	0.004										
1	ALACT. Message Floressing, for message.															
	ADUF: Data Transmission (CONNECT:DIRECT), per message				¥N	000										
2	OPTIONAL DAILY USAGE FILE (ODUF)															
	On F. Becyding, per message				¥Ν	0.0002										
	On E. Messara Propessing per messade				ΜA	0.0033										
	ODUE: Message Processing, per Magnetic Tape provisioned				≨	55.19							Ī			
					Ą	0.00004										
	ODUF: Data Transmission (CONNECT: UNECT), per message															
CEN	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CHES)				WA	0.004								-		
					V/2	000										
	CMDS: Data Transmission (CONNECT:DIRECT), per message]		VA.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the teadff or see ra	eventished by the	he Parties upo	a request by e	ther Party.					
Note	Notes: If no rate is identified in the contract, the rate for the specific service or function will be as ser	C SELVICE	201	COON WILL DO SE SEX	TOTAL III AC	MICENIA DAMAGE										

ODUF/ADU	ODUF/ADUF/CMDS - Florida												Ψŧ	Attachment: 7		Exhibit: A
CATEGORY	Y RATE ELEMENTS	Testin E	Zone	SSB	osn	•		RATES (\$)			Svc Order Svc Order Submitted Submitted Elec Manually per LSR per LSR	Svc Order B Submitted Manually P	Charge - Manual Svc Order vs. Electronic-	Svc Order Svc Order Manuel Svc Manuel Svc Bubmitted Submitted Order vs. Bubmitted Submitted Federonic Federonic Per LSR 1st Add**	Charge - Manual Svc Order vs. Electronic-	Charge - Cha
						Bec	Nonrecumne	Bulunt	Nonrecurring	Nonrecurring Disconnect			OSS R	OSS RATES (S)		
							First	Add'I	First	Add'i	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
L			H													
ODUF/ADUF/CMDS	CMDS		\vdash													
ACCE	ACCESS DAILY USAGE FILE (ADUF)		_													
	ADUF: Message Processing, per message		-		WA	0.014391										
			-													
	ADUF: Data Transmission (CONNECT: DIRECT), per message				NA	0.00012973										
E E	OPTIONAL DAILY USAGE FILE (ODUF)															
	ODUF: Recording, per message		H		WA	0.0000071										
L	ODUF: Message Processing, per message				WA	0.006835										
L	ODUF: Message Processing, per Magnetic Tape provisioned				NA.	98.86										
			\vdash													
	ODUF: Data Transmission (CONNECT:DIRECT), per message		-		ΝA	0.00010811										
CEN	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CMDS)		-													
	CMDS: Message Processing, per message		L		WA	0.004										
	CMPS: Data Transmission (CONNECT: DIRECT), per message		_		N/A	0.001										
Notes	Notes: If no rate is identified in the contract, the rate for the specific service or function will be as	Service	or functio		orth in appl	set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.	th tariff or se no	egotisted by th	e Parties upor	n request by eit	ther Party.					

			ŀ										2	ATERCATORNIC: /		EXMIDE: A
CATEGORY	RATE ELEMENTS	Interi	Zone	3	osn			RATES (5)			Svc Order Svc Order Submitted Submitted Elec Manually per LSR	Svc Order Submitted Manually per LSR	Svc Order Svc Order Manual Svc Manual	Charge - Cha	Incremental Charge - Manual Svc Order vs. Electronic- Disc 1st	Incremental Charge - Manual Svc Order vs. Electronic- Disc Add'i
						Rec	Norrecurring	urring	Nonrecurrin	Nonrecurring Disconnect			B SSO	OSS BATES (S)		
			1				First	Addil	First	Add'I	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
ODUF/ADUF/CMDS	SOF		\vdash													
ACCES	ACCESS DAILY USAGE FILE (ADUF)															
	ADUF: Message Processing, per message		-		ΝA	0.0136327										
	APUE: Date Transmission (COMMISOR: PUBLICAT		_													
SEE	OPTIONAL DAILY PRACE BLE (OTANS)		\dagger		Y ₂	0.0000434										
	ION E- Benyting permessage		\dagger		4//4	2000000										
	ON IS Meeson Drosseine as manage		+		YA!	0.2000.0										
	OPIE: Message Processing, yet Hessage	1	\dagger		NA.	SPC200.0										
	The state of the s		+		٧N	28.85										
	ODUF: Data Transmission (CONNECT:DIRECT), per message				X	0.0000434										
CENTA	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CMDS)		_													-
	CMDS: Message Processing, per message		Н		WA	0.004										
	CALDS: Data Transmission (CONNECT:DIRECT), per message				×χ	0.001										
Notes:	Notes: If no rate is identified in the contract, the rate for the specific service or function will be a	service	or function	on will be as set f	orth in appl	icable BellSout	a set forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.	gottened by the	e Parties upo	n request by el	ther Party.					-

ODIJE/AL	ODUF/ADUF/CMDS - Kentucky												1	ALLEGRAMMENTS. /		
CATEGORY	ANY RATE ELEMENTS	figure 1	Zone	BCS	osn			RATES (\$)			Sve Order Sve Order Submitted Submitted Elec Manually per LSR per LSR		Svc Order Svc Order Manual Svc Submitted Submitted Order vs. Elec Manually Electronic per LSR per LSR 1st	Incremental Incremental Incremental Incremental Charge -	Incremental Charge - Manuel Svc Order vs. Electronic- Disc 1st	Charge - Manual Svc Order vs. Electronic- Disc Add'i
						3	Nonrecuring	pojus	Nonrecuming	Nonrecurring Disconnect			OSSR	OSS RATES (\$)		
			-				First	Addi	First	Yqd:I	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
												1				
ODUF/ADUF/CMDS	UFICADS													+		
N C	ACCESS DAILY USAGE FILE (ADUF)															
	ADUF: Message Processing, per message				WA	0.001857						†				
					W/W	0 0000424E										
	ADUL: Data Iransmission (COMMECT: United.), per message					2000										
5	ON IGNAL DAILT USAGE FILE (COUT)		I		WA	0.0000136										
	ODUF: Message Processing, per message				WA	0.002506						1				
	ODNF: Message Processing, per Magnetic Tape provisioned		Γ		NA	35.90						1				
	ecessem and CDERMICE AND Transmission (CDERMICE) and Transmission of the Commission				WA	0.00010372										
٢	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CMDS)															
	CANDS: Message Processing, per message				ΑN	0.004										
	CAIDS: Data Transmission (CONNECT:DIRECT), per message				¥×	0.001										
S.	Notes: If no rate is identified in the contract, the rate for the specific service or function will be as se	c service	or fun		forth in app	forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.	th tariff or as no	gotiated by the	e Parties upo	n request by e	ther Party.					

ANI ICANI IEA	ONIE/ADITE/FILDE I ATTACLE.															
													Atta	Attachment: 7		Exhibit: A
CATEGORY	RATE ELEMENTS	ig e	Zone	S	ngoc			RATES (5)			Svc Order Svc Order Submitted Submitted Elec Menually per LSR per LSR		Incremental Ir Charge - Manual Svc M Order vs. Electronic E		Incremental incremental Charge - Charge - Menual Svc Menual Svc Order vs. Order vs. Electronic Electronic	Incremental Charge - Manual Svc Order vs. 'Electronic- Disc Add'l
				-		360	Nonrecuring	uming	Nonrecuring Disconnect	Disconnect			OSS RA	OSS RATES (5)	1	
		I						Add'I	Firet	Addi	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
ODUF/ADUF/CMDS	907										1	1	1	1		
ACCESS	ACCESS DAILY USAGE FILE (ADUF)											$\frac{1}{1}$	1	1		
	ADUF: Message Processing, per message				WA	0.007983					\dagger	1	†		1	
	ADUF: Data Transmission (CONNECT:DIRECT), per message				WA	0.00012681										
NOLLA	OPTIONAL DAILY USAGE FILE (OOUF)										1		l	1	1	
	ODUF: Recording, per message				WA	0,0000117						1	1	1	1	
	ODUF: Message Processing, per message				WA	0.004641									I	
1	OLUCE: Message Processing, per Magnetic Tape provisioned				W.A	48.45						_				-
	ODUF: Data Transmission (CONNECT:DIRECT), per message				×	0.00010568										
CENTRA	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CMDS)												l			
1	CARLO: Message Processing, per message	\int			§	88										
O	CMDS: Data Transmission (CONNECT:DIRECT), per message				WA	00.0										
Notes: It	Notes: If no rate is identified in the contract, the rate for the specific service or function will be as set	c service	or fun	ction will be as set	forth in appli	forth in applicable BellSouth tariff or as negotiated by the Parties upon request by either Party.	h tariff or as ne	gotiated by the	e Parties upon	request by eit	her Party.		 			

			ŀ										12	Action of the Party of the Part		T THE L
												-	ncremental	Incremental	Incremental Incremental Incremental Incremental	Incremental
													Charge -	Charge-	Charge -	Charge -
- ATEGORES	-	Ī		į	:			RATES (\$)			Svc Order Svc Order Submitted Submitted	Svc Order Submitted	Order ve	Manual Svc Order vs	Svc Order Svc Order Manual Svc Manual Svc Manual Svc Manual Svc Submitted Submitted Corder vs. Order vs.	Manual Svc
		E	8	3							Elec per LSR		Electronic- 1st	Electronic- Add [*] 1		Electronic- Disc Add"
						æ	Nonrecurring	uming	Nonrecurring Disconnect	Disconnect			A SSO	OSS RATES (S)	1	
							First	Add'i	First	Add'i	SOMEC	SOMAN	SOMAN	SOMEAN	SOWAN	SOMAN
ODUF/ADUF/CHIDS	UFICHUS															I
8	ACCESS DAILY USAGE FILE (ADUF)											l				T
	ADUF: Message Processing, per message				X	0.008087										T
													T			I
	AUUT: Udia Iransmission (CONNE-CI:DIHECI), per message				MΑ	0.00012803										
8	OPTIONAL DAILY USAGE FILE (COUP)															
	ODUF: Recording, per message				WA	0.0000063										
	ODUF: Message Processing, per message				WA	0.004707										
	ODUF: Message Processing, per Magnetic Tape provisioned				WA	49.04										
	ODUF: Data Transmission (CONNECT:DIRECT), per message				VΑ	0.00010669										
(E	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CMDS)											l			+	I
	CMDS: Message Processing, per message				¥	0.004										
	CMDS: Data Transmission (CONNECT:DIRECT), per message				Y.	6.00										
Ž	Notes: If no rate is identified in the contract, the rate for the apecific service or function will be as set	c service	or functi	on will be as set for	Inde in appl	K forth in applicable BellSouth tartif or as negotiated by the Parties upon request by either Party.	teriff or se ne	gottated by the	e Parties upon	recuent by ei	ther Party.		T			
					,										_	

ODUF/ADUF/CMDS - Mississippi

CATEGORY Part ELEMENTS P	ODUF/ADU	ODUF/ADUF/CMDS - North Carolina													At	Attachment: 7		Exhibit: A
First Morrecurring Morrecurrin	CATEGORY				g g	8	coc			RATES (\$)			Svc Order Submitted : Elec per LSR		Charge - Manual Svc Order vs. Electronic-		Incremental Incremental Charge - Charge - Manual Svc Manual Svc Order va. Order va. Electronic - Electronic	incrementa Charge - Manual Sv Order va. 'Electronic Diac Add'il
First Add'T First Add'T First SOMAN					Word-pine			8	Nonrec	unting	Nonrecurrin	g Disconnect			888	ATES (S)		
F. Data Transmission (CONNECT:DRECT), per message									First	Add'i	First	Addil	_	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
ALY USAGE FILE (ADUF) F. Message Processing, per message F. Data Transmission (CONNECTIDIFECT), per message AMIN' USAGE FILE (DUIF) F. Recording, per message F. Message Processing, per Megneto Tape provisioned F. Message Processing, per Megneto Tape provisioned F. Message Processing, per Megneto Tape provisioned F. Message Processing, per message F. Message Processing, per message S. Message Processing, per message S. Message Processing, per message S. Data Transmission (CONNECTIDIRECT), per message S. Data Transmission (CONNECTIDIRECT), per message S. Data Transmission (CONNECTIDIRECT), per message Table is Identified in the continue, the rake for the appendite service or function will be as				1.0														
	ODUF/ADUF/K			H	-													
	ACCE		1	-														
		ADUF: Message Processing, per message			_		¥»	0.004						T				
					_													
		MUCH: Data (IBISTISSION (CONNECT: DIFFECT), pe	e message	1	+		ş	0.00										
	5	MAL WALT USAGE FILE (UUUF)		1										-				
		ODUF: Recording, per message					×	0.0003										
		ODUF: Message Processing, per message		-			W.	0.0032										
		ODUF: Message Processing, per Megnetic Tape pro	percision				¥.	54.61										
		ODIF: Data Transmission (CONNECT DIRECT) na	rinessana				V /7	70000										
	CENT	PALIZED MESSAGE DISTRIBUTION SERVICE (CML	(SE	t	L									T	1			
		CMDS: Message Processing, per message					×	0.004										
		CANDS: Data Transmission (CONNECT:DIRECT), pa	w message		-		*	0.001										
	Notes	If no rate is identified in the contract, the rate for	the specific s	ervice o	riturction		rth in applic	able BeliSouth	I tertif or as no	spotisted by th	e Parties upos	h request by of	ther Party.	-				

											•		4	Attachment: 7		Evelifiate.
CATEGORY	RATE ELEMENTS] a		S				RATES (5)			Svc Order Svc Order Submitted Submitted Elec Manually per LSR per LSR		Charge - Manual Svc Order vs. Electronic-	Incremental Charge - Manual Svc Order vs. Electronic- Add*!	Charge - Cha	incremental Charge - Manual Svc Order vs. Electronic- Disc Addin
		(2. j (1.5) (2. j				I	Nonrecurring	urring	Nonecuring	Nonrecurring Disconnect			A SSO	OSS PATES IS		
	CONTRACTOR OF THE CONTRACTOR O		1				First	Addi	First	Add"i	SOMEC	SOMAN	SOMAN	NV NOS	SOMAN	SOMAN
ODUF/ADUF/CMDS	SOR			1	1											
ACCE	ACCESS DAILY USAGE FILE (ADUP)			1	1	1										
	ADUF: Message Prosessing ner message															
					YN	0,008061						-				
- 0	ADUF: Data Transmission (CONNECT:DIRECT), per message				ş	0.00013036			•							
3	OF HOWAL DAILY USAGE FILE (ODUF)												1			
	OLUL: Hecording, per message				¥	0.0000216		T	I		T	1	1			
	OLUC: Message Processing, per message			N.	NA	0.004704					1	1	1			
	OLUT: Message incressing, per Magnetic Tape provisioned			2	WA	48.87					T	\dagger		1	1	
	ODUF: Data Transmission (COMMECT:DIRECT), per message			_=	¥	0.00010863										
CERIT	CERTIFICATION RESSAGE DISTRIBUTION SERVICE (CMDS)							Ī		Ī	1	Ť	1	1	1	
	CARLOS: MESSING FROZESTRO, DEF MESSAGE			2	WA	0.004					ł		T	Ī	1	
	CMDS: Data Transmission (CONNECT:DIRECT), per message			Z	¥	0.00										
	NOTES: If NO Tale is identified in the contract, the rate for the execution	-	A Company of	THE PARTY OF THE PARTY.					1			_	-	-		

ODUF/ADUF/CMDS - South Carolina

		ŀ	-	-									₹	Attachment: 7		Exhibit.
CATEGORY	RATE ELEMENTS	To the	Zone	5 5	neoc			RATES (S)			Svc Order Submitted Elec per LSR	Svc Order Svc Order Submitted Submitted Submitted Percentage Naturally per LSR Per LSR	Incremental Charge - Manuel Svc Order vs. Electronic- 1st	Charge - Manual Svc Manual Svc Order vs. Electronic - Sectonic - State - Add - State - Charge - State - Charge	Incremental Charge - Manual Svc Order vs. Electronic- Disc tet	incremental Charge - Manual Svc Order vs. Electronic-
						Rec	Nonnecurring		Nonrecurin	Nonrecurring Disconnect			a sso	OSS RATES (S)		
		1	1				First	Add'i	First	Add"	SOMEC	SOMAN	SOMAN	SOMAN	SOMAN	SOMAN
ODUF/ADUF/CIEDS	SCHOS	1	1													
ACCE	ACCESS DAILY USAGE FILE (ADVIF)		1													
	ADME: Message Processing and account		1									ľ				
	affection of fileseon Lorson		1		¥	0.000										
	ADUF: Data Transmission (CONNECT:DIFIECT), per message				×	0.001										
3	OPTIONAL DAILY USAGE FILE (ODUF)											1				
	OLUT: Hecording, per message		L		NA NA	0.0000044										
	ODUF: Message Processing, per message		Ц		Y.V	0.0027366										
1	OUUT: Message Processing, per Magnetic Tape provisioned		Ц		NA	52.75										
	ODUF: Data Transmission (CONNECT:DRECT), per message				M/A	OCCUPANO O										
CENT	CENTRALIZED MESSAGE DISTRIBUTION SERVICE (CMDS)	L	L			2000000						1				
+	CMDS: Message Processing, per message		Ц		N/A	0.004						Ī				
	CMDS: Data Transmission (CONNECT: DIRECT) per messana				***	7000										
Notes:	Notes: If no rate is identified in the contract, the rate for the specific service or function will be se	Service	1		INA In part	INVA 1 0.001										

Attachment 8

Rights-of-Way, Conduits and Pole Attachments

Rights-of-Way, Conduits and Pole Attachments

BellSouth will provide nondiscriminatory access to any pole, duct, conduit, or right-of-way owned or controlled by BellSouth pursuant to 47 U.S.C. § 224, as amended by the Act, pursuant to terms and conditions of a license agreement subsequently negotiated with BellSouth's Competitive Structure Provisioning Center.

ATTACHMENT 9

PERFORMANCE MEASUREMENTS

PERFORMANCE MEASUREMENTS

Upon a particular Commission's issuance of an Order pertaining to Performance Measurements in a proceeding expressly applicable to all CLECs generally, BellSouth shall implement in that state such Performance Measurements as of the date specified by the Commission. Performance Measurements that have been Ordered in a particular state can currently be accessed via the internet at https://pmap.bellsouth.com. At the request of the Tennessee Regulatory Authority (TRA), the following Regional Service Quality Measurements (SQM) plan is being included as the performance measurements currently in place for the state of Tennessee. At such time that the TRA issues an Order pertaining to Performance Measurements, such Performance Measurements shall supersede the Regional SQM contained in the Agreement.

BellSouth Service Quality Measurement Plan (SQM)

Region Performance Metrics

Measurement Descriptions Version 0.05

Issue Date: December 21, 2001

Introduction

The BellSouth Service Quality Measurement Plan (SQM) describes in detail the measurements produced to evaluate the quality of service delivered to BellSouth's customers both wholesale and retail. The SQM was developed to respond to the requirements of the Communications Act of 1996 Section 251 (96 Act) which required BellSouth to provide non-discriminatory access to Competitive Local Exchange Carriers (CLEC)¹ and its Retail Customers. The reports produced by the SQM provide regulators, CLECs and BellSouth the information necessary to monitor the delivery of non-discriminatory access.

This plan results from the many divergent forces evolving from the 96 Act. The 96 Act, the Georgia Public Service Commission (GPSC) Order (Docket 7892-U 12/30/97), LCUG 1-7.0, the FCC's NPRM (CC Docket 98-56 RM9101 04/17/98), the Louisiana Public Service Commission (LPSC) Order (Docket U-22252 Subdocket C 04/19/98), numerous arbitration cases, LPSC sponsored collaborative workshops (10/98-02/00), and proceedings in Alabama, Mississippi, and North Carolina have and continue to influence the SQM.

The SQM and the reports flowing from it must change to reflect the dynamic requirements of the industry. New measurements are added as new products, systems, and processes are developed and fielded. New products and services are added as the markets for them develop and the processes stabilize. The measurements are also changed to reflect changes in systems, correct errors, and respond to both 3rd Party audit requirements and Commission requirements.

This document is intended for use by someone with knowledge of telecommunications industry, information technologies and a functional knowledge of the subject areas covered by the BellSouth Performance Measurements and the reports that flow from them.

Once it is approved, the most current copy of this document can be found on the web at URL: https://pmap.bellsouth.com in the Documentation Downloads folder.

Report Publication Dates

Each month, preliminary SQM reports will be posted to BellSouth's SQM web site (https://www.pmap.bellsouth.com) by 8:00 A.M. EST on the 21st day of each month or the first business day after the 21st. Final validated SQM reports will be posted by 8:00 A.M. on the last day of the month. Reports not posted by this time will be considered late for SEEM payment purposes. SEEM reports will posted on the 15th of the following month. Payments due will also be paid on the 15th of the following month. For instance: May data will be posted in preliminary SQM reports on June 21. Final validated SQM reports will be posted on the last day of June. Final validated SEEM reports will be posted and payments mailed on July 15th. In the event the 15th falls on a weekend or holiday, reports and payments will be posted/made the next business day.

Alternative Local Exchange Companies (ALEC) and Competing Local Providers (CLP) are referred to as Competitive Local Exchange Carriers (CLEC) in this document.

Report Delivery Methods

CLEC SQM and SEEM reports will be considered delivered when posted to the web site. Commissions will be given access to the web site. In addition, a copy of the Monthly State Summary reports will be filed with the appropriate Commissions as soon as possible after the last day of each month.

Document Number: RGN-V005-122101

Contents

Sec	ction 1: Operations Support Systems (OSS)	1-1
	OSS-1: Average Response Time and Response Interval (Pre-Ordering/ Ordering)	
	OSS-2: Interface Availability (Pre-Ordering/Ordering)	
	OSS-3: Interface Availability (Maintenance & Repair)	
	OSS-4: Response Interval (Maintenance & Repair)	
	PO-1: Loop Makeup - Response Time - Manual	
	PO-2: Loop Make Up - Response Time - Electronic	
Sec	ction 2: Ordering	2-1 2 1
	O-1: Acknowledgement Message Timeliness	2-1
	O-2: Acknowledgement Message Completeness	2-3 2
	O-3: Percent Flow-Through Service Requests (Summary)	2-4
	O-4: Percent Flow-Through Service Requests (Detail)	2-0
	O-5: Flow-Through Error Analysis	
	O-6: CLEC LSR Information	
	LSR Flow Through Matrix	2-11
	O-7: Percent Rejected Service Requests	
	O-8: Reject Interval	2-16
	O-9: Firm Order Confirmation Timeliness	
	O-10: Service Inquiry with LSR Firm Order Confirmation (FOC) Response Time Manual	
	O-11: Firm Order Confirmation and Reject Response Completeness	2-24
	O-12: Speed of Answer in Ordering Center	2-26
	O-13: LNP-Percent Rejected Service Requests	2-27
	O-14: LNP-Reject Interval Distribution & Average Reject Interval	2-29
	O-15: LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm Order Confirm	
	Average Interval	2-32
Sec	etion 3: Provisioning	3-1
	P-1: Mean Held Order Interval & Distribution Intervals	
	P-2: Average Jeopardy Notice Interval & Percentage of Orders Given Jeopardy Notices	
	P-3: Percent Missed Installation Appointments	3-5
	P-4: Average Completion Interval (OCI) & Order Completion Interval Distribution	3-8
	P-5: Average Completion Notice Interval	3-11
	P-6: % Completions/Attempts without Notice or < 24 hours Notice	
	P-7: Coordinated Customer Conversions Interval	3-14
	P-7A: Coordinated Customer Conversions - Hot Cut Timeliness% Within Interval and Average	age
	Interval	3-17
	P-7B: Coordinated Customer Conversions – Average Recovery Time	
	P-7C: Hot Cut Conversions - % Provisioning Troubles Received Within 7 days of a complete	ed
	Service Order	3-2
	P-8: Cooperative Acceptance Testing - % of xDSL Loops Tested	
	P-9: % Provisioning Troubles within 30 days of Service Order Completion	
	P-10: Total Service Order Cycle Time (TSOCT)	3-28
	P-11: Service Order Accuracy	
	P-12: LNP-Percent Missed Installation Appointments	3-32
	P-13: I NP-Average Disconnect Timeliness Interval & Disconnect Timeliness Interval Distrib	

	3 000
***************************************	3-34
P-14: LNP-Total Service Order Cycle Time (TSOCT)	3-36
Section 4: Section 4: Maintenance & Repair	4-1
M&R-1: Missed Repair Appointments	4-1
M&R-2: Customer Trouble Report Rate	
M&R-3: Maintenance Average Duration	
M&R-4: Percent Repeat Troubles within 30 Days	4-7
M&R-5: Out of Service (OOS) > 24 Hours	4-9
M&R-6: Average Answer Time – Repair Centers	4-11
M&R-7: Mean Time To Notify CLEC of Network Outages	
Section 5: Billing	5-1
B-1: Invoice Accuracy	5-1
B2: Mean Time to Deliver Invoices	
B3: Usage Data Delivery Accuracy	
B4: Usage Data Delivery Completeness	5-6
B5: Usage Data Delivery Timeliness	
B6: Mean Time to Deliver Usage	
B7: Recurring Charge Completeness	
B8: Non-Recurring Charge Completeness	5-10
Section 6: Operator Services And Directory Assistance	6-1
OS-1: Speed to Answer Performance/Average Speed to Answer - Toll	
OS-2: Speed to Answer Performance/Percent Answered with "X" Seconds - Toll	
DA-1: Speed to Answer Performance/Average Speed to Answer - Directory Assistance (D.	
DA-2: Speed to Answer Performance/Percent Answered within "X" Seconds - Directory As	
(DA)	
Section 7: Database Update Information	7_1
D-1: Average Database Update Interval	
D-2: Percent Database Update Accuracy	
D-3: Percent NXXs and LRNs Loaded by the LERG Effective Date	
Section 8: E911	
E-1: Timeliness	
E-2: Accuracy	
E-3: Mean Interval	8-3
Section 9: Trunk Group Performance	9-1
TGP-1: Trunk Group Performance-Aggregate	9-1
TGP-2: Trunk Group Performance-CLEC Specific	9-3
Section 10: Collocation	
C-1: Collocation Average Response Time	
C-2: Collocation Average Arrangement Time	
C-3: Collocation Percent of Due Dates Missed	10-2 10-2
Section 11: Change Management	11-4
CM-1: Timeliness of Change Management Notices	
CM-2: Change Management Notice Average Delay Days	11-5

	900
CM-3: Timeliness of Documents Associated with Change	11-6
CM-4: Change Management Documentation Average Delay Days	
CM-5: Notification of CLEC Interface Outages	
Section 12: Bona Fide / New Business Request Process	12-1
BFR-1: Percentage of BFR/NBR Requests Processed Within 30 Business Days	
BFR-2: Percentage of Quotes Provided for Authorized BFR/NBR Requests Proces	
(10/30/60) Business Days	
Appendix A: Reporting Scope	
A-1: Standard Service Groupings	
A-2: Standard Service Order Activities	
Appendix B: Glossary of Acronyms and Terms	
Appendix C: BellSouth Audit Policy	

Section 1: Operations Support Systems (OSS)

OSS-1: Average Response Time and Response Interval (Pre-Ordering/ Ordering)

Definition

Average response time and response intervals are the average times and number of requests responded to within certain intervals for accessing legacy data associated with appointment scheduling, service & feature availability, address verification, request for Telephone numbers (TNs), and Customer Service Records (CSRs).

Exclusions

None

Business Rules

The average response time for retrieving pre-order/order information from a given legacy system is determined by summing the response times for all requests submitted to the legacy systems during the reporting period and dividing by the total number of legacy system requests for that month.

The response interval starts when the client application (LENS or TAG for CLECs and RNS or ROS for BellSouth) submits a request to the legacy system and ends when the appropriate response is returned to the client application. The number of accesses to the legacy systems during the reporting period which take less than 2.3 seconds, the number of accesses which take more than 6 seconds, and the number which are less than or equal to 6.3 seconds are also captured.

Calculation

Response Time = (a - b)

- a = Date & Time of Legacy Response
- b = Date & Time of Legacy Request

Average Response Time = c / d

- c = Sum of Response Times
- · d = Number of Legacy Requests During the Reporting Period

Report Structure

- Not CLEC Specific
- Not Product/Service Specific
- · Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Report Month
• Legacy Contract (per reporting dimension)	 Legacy Contract (per reporting dimension)
• Response Interval	Response Interval
Regional Scope	• Regional Scope

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
RSAG – Address (Regional Street Address Guide-	
Address) – stores street address information used to	
validate customer addresses. CLECs and BellSouth query	
this legacy system.	
• RSAG - TN (Regional Street Address Guide-Telephone	
number) - contains information about facilities available	
and telephone numbers working at a given address.	

 ATLAS (Application for Telephone Number Load Administration and Selection) – acts as a warehouse for storing telephone numbers that are available for

CLECs and BellSouth query this legacy system.

- storing telephone numbers that are available for assignment by the system. It enables CLECs and BellSouth service reps to select and reserve telephone numbers. CLECs and BellSouth query this legacy system.
- COFFI (Central Office Feature File Interface) stores information about product and service offerings and availability. CLECs query this legacy system.
- DSAP (DOE Support Application) provides due date information. CLECs and BellSouth query this legacy system.
- HAL/CRIS (Hands-Off Assignment Logic/Customer Record Information System) — a system used to access the Business Office Customer Record Information System (BOCRIS). It allows BellSouth servers, including LENS, access to legacy systems. CLECs query this legacy system.
- P/SIMS (Product/Services Inventory Management system) – provides information on capacity, tariffs, inventory and service availability. CLECs query this legacy system.
- OASIS (Obtain Available Services Information Systems)

 Information on feature and rate availability. BellSouth queries this legacy system.

Table 1: Legacy System Access Times For RNS

System	Contract	Data	< 2.3 sec.	> 6 sec.	<= 6.3 sec.	Avg. Sec.	# of Calls
RSAG	RSAG-TN	Address	x	х	x	x	ж
RSAG	RSAG-ADDR	Address	х	х	х	X	x
ATLAS	ATLAS-TN	TN	х	x	x	x	X
DSAP	DSAP	Schedule	×	х	x	x	х
CRIS	CRSACCTS	CSR	x	х	x	X	x
OASIS	OASISCAR	Feature/Service	х	x	x	x	X
OASIS	OASISLPC .	Feature/Service	х	х	х	x	x
OASIS	OASISMTN	Feature/Service	x	х	x	x	×
OASIS	OASISBIG	Feature/Service	x	х	х	x	x

Table 2: Legacy System Access Times For ROS

System	Contract	Data	< 2.3 sec.	> 6 sec.	<= 6.3 sec.	Avg. sec.	# of Calls
RSAG	RSAG-TN	Address	x	Х	x	х	X
RSAG	RSAG-ADDR	Address	х	X	x	X	x
ATLAS	ATLAS-TN	TN	x	х	x	×	×
DSAP	DSAP	Schedule	x	х	X	x	x x
CRIS	CRSOCSR	CSR	x	X	x	×	×
OASIS	OASISBIG	Feature/Service	X	×	x	x	X

Table 3: Legacy System Access Times For LENS

System	Contract	Data	< 2.3 sec.	> 6 sec.	<6.3 sec.	Avg. sec.	# of Calls
RSAG	RSAG-TN	Address	x	x	×	Y	<u> </u>
RSAG	RSAG-ADDR	Address	x	х	×	-	<u>x</u>
ATLAS	ATLAS-TN	TN	x	х	×	Ÿ	Y
DSAP	DSAP	Schedule	x	X	×		x
HAL	HAL/CRIS	CSR	x	х	x		Y
COFFI	COFFI/USOC	Feature/Service	x	х	x	Ÿ	
P/SIMS	PSIMS/ORB	Feature/Service	x	х	x		

Table 4: Legacy System Access Times For TAG

System	Contract	Data	< 2.3 sec.	> 6 sec.	<6.3 sec.	Avg. sec.	# of Calls
RSAG	RSAG-TN	Address	х	х	х	x	Y
RSAG	RSAG-ADDR	Address	x	х	x	×	~
ATLAS	ATLAS-TN	TN	x	х	X	· ·	
ATLAS	ATLAS-MLH	TN	x	х	x	v v	<u> </u>
ATLAS	ATLAS-DID	TN	x	x	X		
DSAP	DSAP	Schedule	×	X	X		^
CRIS	CRSECSRL	CSR	x	x	 	1	A
CRIS	CRSECSR	CSR		×	- 2		<u> </u>

SEEM Measure

		SEEM Me	asure		
Yes	Tier I				
	Tier II			X	

Note: CLEC specific data is not available in this measure. Queries of this sort do not have company specific signatures.

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
RSAG – Address (Regional Street Address Guide-	• Percent Response Received within 6.3 seconds: > 95%
Address) - stores street address information used to	• Parity + 2 seconds
validate customer addresses. CLECs and BellSouth query	
this legacy system.	
• RSAG - TN (Regional Street Address Guide-Telephone	
number) - contains information about facilities available	
and telephone numbers working at a given address.	
CLECs and BellSouth query this legacy system.	
 ATLAS (Application for Telephone Number Load 	
Administration and Selection) – acts as a warehouse for	
storing telephone numbers that are available for	
assignment by the system. It enables CLECs and	
BellSouth service reps to select and reserve telephone	
numbers. CLECs and BellSouth query this legacy system.	
COFFI (Central Office Feature File Interface) – stores	
information about product and service offerings and	
availability. CLECs query this legacy system.	
• DSAP (DOE Support Application) – provides due date	
information. CLECs and BellSouth query this legacy	
system.	
HAL/CRIS (Hands-Off Assignment Logic/Customer	
Record Information System) - a system used to access the	

Business Office Customer Record Information System (BOCRIS). It allows BellSouth servers, including LENS, access to legacy systems. CLECs query this legacy system.

 P/SIMS (Product/Services Inventory Management system) – provides information on capacity, tariffs, inventory and service availability. CLECs query this legacy system.

OASIS (Obtain Available Services Information Systems)
 Information on feature and rate availability. BellSouth queries this legacy system.

SEEM OSS Legacy Systems

System	BeliSouth	CLEC
	Telephone Number/Add	ress
RSAG-ADDR	RNS, ROS	TAG, LENS
RSAG-TN	RNS, ROS	TAG, LENS
ATLAS	RNS,ROS	TAG. LENS
	Appointment Scheduli	ing
DSAP	RNS, ROS	TAG, LENS
	CSR Data	
CRSACCTS	RNS	
CRSOCSR	ROS	
HAL/CRIS		LENS
CRSECSRL		TAG
CRSECSR		ΓAG
	Service/Feature Availab	oility
OASISBIG	RNS, ROS	
PSIMS/ORB		LENS

OSS-2: Interface Availability (Pre-Ordering/Ordering)

Definition

Percent of time applications are functionally available as compared to scheduled availability. Calculations are based upon availability of applications and interfacing applications utilized by CLECs for pre-ordering and ordering. "Functional Availability" is defined as the number of hours in the reporting period that the applications/interfaces are available to users. "Scheduled Availability" is defined as the number of hours in the reporting period that the applications/interfaces are scheduled to be available.

Scheduled availability is posted on the Interconnection web site: (www.interconnection.bellsouth.com/oss/oss_hour.html)

Exclusions

- CLEC-impacting troubles caused by factors outside of BellSouth's purview, e.g., troubles in customer equipment, troubles in networks owned by telecommunications companies other than BellSouth, etc.
- · Degraded service, e.g., slow response time, loss of non-critical functionality, etc.

Business Rules

This measurement captures the functional availability of applications/interfaces as a percentage of scheduled availability for the same systems. Only full outages are included in the calculations for this measure. Full outages are defined as occurrences of either of the following:

- Application/interfacing application is down or totally inoperative.
- Application is totally inoperative for customers attempting to access or use the application. This includes transport outages when
 they may be directly associated with a specific application.

Comparison to an internal benchmark provides a vehicle for determining whether or not CLECs and retail BST entities are given comparable opportunities for use of pre-ordering and ordering systems.

Calculation

Interface Availability (Pre-Ordering/Ordering) = (a / b) X 100

- a = Functional Availability
- b = Scheduled Availability

Report Structure

- Not CLEC Specific
- · Not Product/Service Specific
- · Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Report Month
Legacy Contract Type (per reporting dimension)	Legacy Contract Type (per reporting dimension)
Regional Scope	Regional Scope
Hours of Downtime	Hours of Downtime

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Regional Level	• >= 99.5%

OSS Interface Availability

Application	Applicable to	% Availability	
EDI	CLEC	x	
TAG	CLEC	X	
LENS	CLEC	X	
LEO	CLEC	X	
LESOG	CLEC	X	
LNP Gateway	CLEC	X	
COG	CLEC	Under Development	
SOG	CLEC	Under Development	
DOM	CLEC	Under Development	
DOE	CLEC/BellSouth	X	
SONGS	CLEC/BellSouth	x	
ATLAS/COFFI	CLEC/BellSouth	X	
BOCRIS	CLEC/BellSouth	X	
DSAP	CLEC/BellSouth	X	
RSAG	CLEC/BellSouth	X X	
SOCS	CLEC/BellSouth	X	
CRIS	CLEC/BellSouth	x	

SEEM Measure

		SEEM M	easure	
Yes	Tier I			
1	Tier II		X	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Regional Level	• >= 99.5%

SEEM OSS Interface Availability

Application	Applicable to	% Availability		
EDI	CLEC	x		
HAL	CLEC	x		
LENS	CLEC	x		
LEO Mainframe	CLEC	x		
LESOG	CLEC	x		
PSIMS	CLEC	x		
TAG	CLEC	X		

OSS-3: Interface Availability (Maintenance & Repair)

Definition

Percent of time applications are functionally available as compared to scheduled availability. Calculations are based upon availability of applications and interfacing applications utilized by CLECs for maintenance and repair. "Functional Availability" is defined as the number of hours in the reporting period that the applications/interfaces are available to users. "Scheduled Availability" is defined as the number of hours in the reporting period that the applications/interfaces are scheduled to be available.

Scheduled availability is posted on the Interconnection web site: (www.interconnection.bellsouth.com/oss/oss_hour.html)

Exclusions

- CLEC-impacting troubles caused by factors outside of BellSouth's purview, e.g., troubles in customer equipment, troubles in networks owned by telecommunications companies other than BellSouth, etc.
- Degraded service, e.g., slow response time, loss of non-critical functionality, etc.

Business Rules

This measurement captures the functional availability of applications/interfaces as a percentage of scheduled availability for the same systems. Only full outages are included in the calculations for this measure. Full outages are defined as occurrences of either of the following:

- · Application/interfacing application is down or totally inoperative.
- Application is totally inoperative for customers attempting to access or use the application. This includes transport outages when
 they may be directly associated with a specific application.

Comparison to an internal benchmark provides a vehicle for determining whether or not CLECs and retail BST entities are given comparable opportunities for use of maintenance and repair systems.

Calculation

OSS Interface Availability (a / b) X 100

- a = Functional Availability
- b = Scheduled Availability

Report Structure

- Not CLEC Specific
- Not Product/Service Specific
- · Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Availability of CLEC TAFI	Availability of BellSouth TAFI Availability of LMOS HOST, MARCH, SOCS, CRIS, PREDICTOR, LNP and OSPCM

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Regional Level	· >= 99.5%

OSS Interface Availability (M&R)

OSS Interface	% Availability		
BST TAFI			
CLEC TAFI	x		
CLEC ECTA	x		
BeilSouth & CLEC	x		
CRIS	x		
LMOS HOST	x		
LNP	x		
MARCH	х		
OSPCM	x		
PREDICTOR	x		
SOCS	x		

SEEM Measure

		SEEM M	asure]
Yes	Tier I				
	Tier II			X	

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Regional Level	• >= 99.5%

OSS Interface Availability (M&R)

OSS Interface	% Availability
CLEC TAFI	X
CLEC ECTA	x

654 of 804

OSS-4: Response Interval (Maintenance & Repair)

Definition

The response intervals are determined by subtracting the time a request is received on the BellSouth side of the interface from the time the response is received from the legacy system. Percentages of requests falling into each interval category are reported, along with the actual number of requests falling into those categories.

Exclusions

None

Business Rules

This measure is designed to monitor the time required for the CLEC and BellSouth interface system to obtain from BellSouth's legacy systems the information required to handle maintenance and repair functions. The clock starts on the date and time when the request is received on the BellSouth side of the interface and the clock stops when the response has been transmitted through that same point to the requester.

Note: The OSS Response Interval BellSouth Total Report is a combination of BellSouth Residence and Business Total.

Calculation

OSS Response Interval = (a - b)

- a = Query Response Date and Time
- b = Query Request Date and Time

Percent Response Interval (per category) = (c / d) X 100

- c = Number of Response Intervals in category "X"
- d = Number of Queries Submitted in the Reporting Period

where, "X" is ≤ 4 , $\geq 4 \leq 10$, ≤ 10 , ≥ 10 , or ≥ 30 seconds.

Report Structure

- Not CLEC Specific
- · Not product/service specific
- Regional Level

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance			
CLEC Transaction Intervals	BellSouth Business and Residential Transactions			
	Intervals			

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Regional Level	• Parity

Legacy System Access Times for M&R.

System Be	BellSouth & CLEC	Count				
		<= 4	> 4 <= 10	<= 10	> 10	> 30
CRIS	X	x	x	х	x	х
DLETH	x	x	X	x	x	x
DLR	х	х	x	x	x	x
LMOS	X	x	x	х.	x	х
LMOSupd	х	x	x	х	X	x
LNP	x.	х	X	x	×	x
MARCH	x	x	x	X	T x	x
OSPCM	X	х	X	x	x	х
Predictor	X	x	X	х	x	x
SOCS	X	х	X	x	x	X
NIW	x	х	x	x	x	x

SEEM Measure

	•	SEEM	Me	asure	
No	Tier I				
-	Tier II		\Box		

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

PO-1: Loop Makeup - Response Time - Manual

Definition

This report measures the average interval and percent within the interval from the submission of a Manual Loop Makeup Service Inquiry (LMUSI) to the distribution of Loop Makeup information back to the CLEC.

Exclusions

- · Inquiries, which are submitted electronically.
- Designated Holidays are excluded from the interval calculation.
- Weekend hours from 5:00PM Friday until 8:00AM Monday are excluded from the interval calculation.
- · Canceled Inquiries.

Business Rules

The CLEC Manual Loop Makeup Service Inquiry (LMUSI) process includes inquiries submitted via mail or FAX to BellSouth's Complex Resale Support Group (CRSG).

This measurement combines three intervals:

- 1. From receipt of the Service Inquiry for Loop Makeup to hand off to the Service Advocacy Center (SAC) for "Look-up."
- 2. From SAC start date to SAC complete date.
- 3. From SAC complete date to date the Complex Resale Support Group (CRSG) distributes loop makeup information back to the CLEC.

The "Receive Date" is defined as the date the Manual LMUSI is received by the CRSG. It is counted as day Zero. LMU "Return Date" is defined as the date the LMU information is sent back to the CLEC from BellSouth. The interval calculation is reset to Zero when a CLEC initiated change occurs on the Manual LMU request.

Note: The Loop Make Up Service Inquiry Form does not require the CLEC to furnish the type of Loop. The CLEC determines whether the loop makeup will support the type of service they wish to order or not and qualifies the loop. If the loop makeup will support the service, a firm order LSR is submitted by the CLEC.

Calculation

Response Interval = (a - b)

- a = Date and Time LMUSI returned to CLEC
- b = Date and Time the LMUSI is received

Average Interval = (c/d)

- c = Sum of all Response Intervals
- d = Total Number of LMUSIs received within the reporting period

Percent within interval = $(e/f) \times 100$

- e = Total LMUSIs received within the interval
- f = Total Number of LMUSIs processed within the reporting period

Report Structure

- CLEC Aggregate
- CLEC Specific
- Geographic Scope
 - State
 - Region
- Interval for manual LMUs:
 - $0 \le 1 \text{ day}$
 - >1 -<= 2 days
- >2 <= 3 days
- 0 <= 3 days
- $>3 \le 6$ days
- >6 <= 10 days
- > 10 days
- · Average Interval in days

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance	Relating to BellSouth Performance		
Report Month	Not Applicable			
Total Number of Inquiries				
SI Intervals				
State and Region				

SQM Disaggregation - Analog/Benchmark

	SQM Level of Disaggregation	SQM Analog/Benchmark
• Loops		Benchmark Benchmark
		• 95% <= 3 Business Days

SEEM Measure

		SEEM M	easure
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
• Loops	Benchmark
	• 95% <= 3 Business Days

PO-2: Loop Make Up - Response Time - Electronic

Definition

This report measures the average interval and the percent within the interval from the electronic submission of a Loop Makeup Service Inquiry (LMUSI) to the distribution of Loop Makeup information back to the CLEC.

Exclusions

- · Manually submitted inquiries.
- Designated Holidays are excluded from the interval calculation.
- · Canceled Requests.
- · Scheduled OSS Maintenance.

Business Rules

The response interval starts when the CLEC's Mechanized Loop Makeup Service Inquiry (LMUSI) is submitted electronically through the Operational Support Systems interface, LENS, TAG or RoboTAG. It ends when BellSouth's Loop Facility Assignment and Control System (LFACS) responds electronically to the CLEC with the requested Loop Makeup data via LENS, TAG or RoboTAG Interfaces.

Note: The Loop Make Up Service Inquiry Form does not require the CLEC to furnish the type of Loop. The CLEC determines whether the loop makeup will support the type of service they wish to order or not and qualifies the loop. If the loop makeup will support the service, a firm order LSR is submitted by the CLEC. EDI is not a pre-ordering system, and, therefore, is not applicable in this measure.

Calculation

Response Interval = (a - b)

- a = Date and Time LMUSI returned to CLEC
- b = Date and Time the LMUSI is received

Average Interval = (c / d)

- c = Sum of all response intervals
- d = Total Number of LMUSIs received within the reporting period

Percent within interval = $(e/f) \times 100$

- e = Total LMUSIs received within the interval
- f = Total Number of LMUSIs processed within the reporting period

Report Structure

- CLEC Aggregate
- CLEC Specific
- · Geographic Scope
 - State
- Region
- Interval for electronic LMUs:
 - $0 \leq 1$ minute
- >1 -<= 5 minutes
- 0 <= 5 minutes
- $> 5 \le 8$ minutes
- > 8 <= 15 minutes
- > 15 minutes
- · Average Interval in minutes

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Not Applicable

 Legacy Contract 				
Logacy Contract	•	į.		
Response Interval				
• Regional Scope				

SQM Disaggregation - Analog/Benchmark

	SQM Level of Disaggregation	SQM Analog/Benchmark
• Loops		Benchmark
1		• 90% <= 5 Minutes (05/01/01)
		• 95% <= 1 Minute (08/01/01)

SEEM Measure

		SEEM Me	asure
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation	SEEM Analog/Benchmark
• Loop	• 90% <= 5 Minutes (05/01/01)
	• 95% <= 1 Minute (08/01/01)

Section 2: Ordering

O-1: Acknowledgement Message Timeliness

Definition

This measurement provides the response interval from the time an LSR or transmission (may contain multiple LSRs from one or more CLECs in multiple states) is electronically submitted via EDI or TAG respectively until an acknowledgement notice is sent by the system.

Exclusions

· Scheduled OSS Maintenance

Business Rules

The process includes EDI & TAG system functional acknowledgements for all messages/Local Service Requests (LSRs) which are electronically submitted by the CLEC. Users of EDI may package many LSRs into one transmission which will receive the acknowledgement message. EDI users may place multiple LSRs in one "envelope" requesting service in one or more states which will mask the identity of the state and CLEC. The start time is the receipt time of the message at BellSouth's side of the interface (gateway). The end time is when the acknowledgement is transmitted by BellSouth at BellSouth's side of the interface (gateway). If more than one CLEC uses the same ordering center (aggregator), an Acknowledgement Message will be returned to the "Aggregator". However, BellSouth will not be able to determine which specific CLEC or state this message represented.

Calculation

Response Interval = (a - b)

- a = Date and Time Acknowledgement Notices returned to CLEC
- b = Date and Time messages/LSRs electronically submitted by the CLEC via EDI or TAG respectively

Average Response Interval = (c / d)

- c = Sum of all Response Intervals
- d = Total number of electronically submitted messages/LSRs received, from CLECs via EDI or TAG respectively, in the Reporting Period.

Reporting Structure

- CLEC Aggregate
- CLEC Specific/Aggregator
- Geographic Scope
 - Region
- Electronically Submitted LSRs
- 0 <= 10 minutes
- >10 <= 20 minutes
- >20 <= 30 minutes
- $0 \le 30 \text{ minutes}$
- >30 <= 45 minutes
- >45 <= 60 minutes
- >60 -<= 120 minutes
- >120 minutes
- · Average interval for electronically submitted messages/LSRs in minutes

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance	
Report Month	Not Applicable	
Record of Functional Acknowledgements		

SQM Disaggregation - Analog/Benchmark

	SQM Level of Disaggregation	SQM Analog/Benchmark
• EDI		• EDI
		- 90% <= 30 minutes (05/01/01)
		- 95% <= 30 minutes (08/01/01)
• TAG		• TAG – 95% <= 30 minutes

SEEM Measure

	S	EEM Measu	ire
Yes	Tier I		X
	Tier II		X

	SEEM Disaggregation	SEEM Analog/Benchmark
• EDI		• EDI - 90% <= 30 minutes (05/01/01)
		- 95% <= 30 minutes (03/01/01)
• TAG		• TAG – 95% <= 30 minutes

O-2: Acknowledgement Message Completeness

Definition

This measurement provides the percent of transmissions/LSRs received via EDI or TAG respectively, which are acknowledged electronically.

Exclusions

- · Manually submitted LSRs
- Scheduled OSS Maintenance

Business Rules

EDI and TAG send Functional Acknowledgements for all transmissions/LSRs, which are electronically submitted by a CLEC. Users of EDI may package many LSRs from multiple states in one transmission. If more than one CLEC uses the same ordering center, an Acknowledgement Message will be returned to the "Aggregator", however, BellSouth will not be able to determine which specific CLEC this message represented. The Acknowledgement Message is returned prior to the determination of whether the transmission/LSR will be partially mechanized or fully mechanized.

Calculation

Acknowledgement Completeness = $(a/b) \times 100$

- a = Total number of Functional Acknowledgements returned in the reporting period for transmissions/LSRs electronically submitted by EDI or TAG respectively
- b = Total number of electronically submitted transmissions/LSRs received in the reporting period by EDI or TAG respectively

Report Structure

- CLEC Aggregate
- CLEC Specific/Aggregator
- · Geographic Scope
 - Region

Note: The Order calls for Mechanized, Partially Mechanized, and Totally Mechanized, however, the Acknowledgement message is generated before the system recognizes whether this electronic transmission will be partially or fully mechanized.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance		
Report Month	Not Applicable		
Record of Functional Acknowledgements			

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• EDI	• Benchmark: 100%
• TAG	

SEEM Measure

SEEM Measure				
Yes	Tier I		X	
	Tier II		X	

SEEM Disaggregation	SEEM Analog/Benchmark
• EDI	• Benchmark: 100%
• TAG	

O-3: Percent Flow-Through Service Requests (Summary)

Definition

The percentage of Local Service Requests (LSR) and LNP Local Service Requests (LNP LSRs) submitted electronically via the CLEC mechanized ordering process that flow through and reach a status for a FOC to be issued, without manual intervention.

Exclusions

- · Fatal Rejects
- Auto Clarification
- Manual Fallout
- CLEC System Fallout
- Scheduled OSS Maintenance

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI and LENS), that flow through and reach a status for a FOC to be issued, without manual intervention. These LSRs can be divided into two classes of service: Business and Residence, and two types of service: Resale, and Unbundled Network Elements (UNE). The CLEC mechanized ordering process does not include LSRs which are submitted manually (for example, fax and courier) or are not designed to flow through (for example, Manual Fallout.)

Definitions:

Fatal Rejects: Errors that prevent an LSR, submitted electronically by the CLEC, from being processed further. When an LSR is submitted by a CLEC, LEO/LNP Gateway will perform edit checks to ensure the data received is correctly formatted and complete. For example, if the PON field contains an invalid character, LEO/LNP Gateway will reject the LSR and the CLEC will receive a Fatal Reject.

Auto-Clarification: Clarifications that occur due to invalid data within the LSR. LESOG/LAUTO will perform data validity checks to ensure the data within the LSR is correct and valid. For example, if the address on the LSR is not valid according to RSAG, or if the LNP is not available for the NPA NXXX requested, the CLEC will receive an Auto-Clarification.

Manual Fallout: Planned Fallout that occur by design. Certain LSRs are designed to fallout of the Mechanized Order Process due to their complexity. These LSRs are manually processed by the LCSC. When a CLEC submits an LSR, LESOG/LAUTO will determine if the LSR should be forwarded to LCSC for manual handling. Following are the categories for Manual Fallout:

- 1. Complex*
- 2. Special pricing plans
- 3. Some Partial migrations
- 4. New telephone number not yet posted to BOCRIS
- 5. Pending order review required
- CSR inaccuracies such as invalid or missing CSR data in CRIS
- Denials-restore and conversion, or disconnect and conversion orders
- Class of service invalid in certain states with some types of service
- 10. Low volume such as activity type "T" (move)
- 11. More than 25 business lines, or more than 15 loops
- 12. Transfer of calls option for the CLEC end users
- 13. Directory Listings (Indentions and Captions)

Expedites (requested by the CLEC)

*See LSR Flow-Through Matrix following O-6 for a list of services, including complex services, and whether LSRs issued for the services are eligible to flow through.

Total System Fallout: Errors that require manual review by the LSCS to determine if the error is caused by the CLEC, or is due to BellSouth system functionality. If it is determined the error is caused by the CLEC, the LSR will be sent back to the CLEC for clarification. If it is determined the error is BellSouth caused, the LCSC representative will correct the error, and the LSR will continue to be processed.

Z Status: LSRs that receive a supplemental LSR submission prior to final disposition of the original LSR.

Calculation

Percent Flow Through = $a / [b - (c + d + e + f)] \times 100$

- a = The total number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that fall out for manual processing
- d = the number of LSRs that are returned to the CLEC for clarification
- e = the number of LSRs that contain errors made by CLECs
- f = the number of LSRs that receive a Z status

Percent Achieved Flow Through = a / [b-(c+d+e)] X 100

- a = the number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that are returned to the CLEC for clarification
- d = the number of LSRs that contain errors made by CLECs
- e = the number of LSRs that receive Z status

Report Structure

- CLEC Aggregate
 - Region

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
• Report Month	Report Month
• Total Number of LSRs Received, by Interface, by CLEC - TAG	Total Number of Errors By Type Bellsouth System Error
- EDI	
- LENS	
Total Number of Errors by Type, by CLEC Fatal Rejects	
- Auto Clarification	
- CLEC Caused System Fallout	
Total Number of Errors by Error Code	
Total Fallout for Manual Processing	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark ²
Residence	Benchmark: 95%
• Business	Benchmark: 90%
• UNE	Benchmark: 85%
• LNP	Benchmark: 85%

SEEM Measure

		SEEM M	easure	7	
Yes	Tier I				
	Tier II			X	

SEEM Disaggregation	SEEM Analog/Benchmark ³
Residence	Benchmark: 95%
Business	• Benchmark: 90%
• UNE	Benchmark: 85%
• LNP	Benchmark: 85%

Benchmarks do not apply to the "Percent Achieved Flow Through."

Benchmarks do not apply to the "Percent Achieved Flow Through."

O-4: Percent Flow-Through Service Requests (Detail)

Definition

A detailed list, by CLEC, of the percentage of Local Service Requests (LSR) and LNP Local Service Requests (LNP LSRs) submitted electronically via the CLEC mechanized ordering process that flow through and reach a status for a FOC to be issued, without manual

Exclusions

- Fatal Rejects
- · Auto Clarification
- · Manual Fallout
- CLEC System Fallout
- Scheduled OSS Maintenance

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued, without manual intervention. These LSRs can be divided into two classes of service: Business and Residence, and three types of service: Resale, and Unbundled Network Elements (UNE). The CLEC mechanized ordering process does not include LSRs, which are submitted manually (for example, fax and courier) or are not designed to flow through (for example, Manual Fallout.)

Definitions:

Fatal Rejects: Errors that prevent an LSR, submitted electronically by the CLEC, from being processed further. When an LSR is submitted by a CLEC, LEO/LNP Gateway will perform edit checks to ensure the data received is correctly formatted and complete. For example, if the PON field contains an invalid character, LEO/LNP Gateway will reject the LSR and the CLEC will receive a Fatal

Auto-Clarification: Clarifications that occur due to invalid data within the LSR. LESOG/LAUTO will perform data validity checks to ensure the data within the LSR is correct and valid. For example, if the address on the LSR is not valid according to RSAG, or if the LNP is not available for the NPA NXXX requested, the CLEC will receive an Auto-Clarification.

Manual Fallout: Planned Fallout that occur by design. Certain LSRs are designed to fallout of the Mechanized Order Process due to their complexity. These LSRs are manually processed by the LCSC. When a CLEC submits an LSR, LESOG/LAUTO will determine if the LSR should be forwarded to LCSC for manual handling. Following are the categories for Manual Fallout:

- 1. Complex*
- Special pricing plans
- Some Partial migrations
- New telephone number not yet posted to BOCRIS
- 5. Pending order review required
- CSR inaccuracies such as invalid or missing CSR data in
- Denials-restore and conversion, or disconnect and conver sion orders
- Class of service invalid in certain states with some types of
- 10. Löw volume such as activity type "T" (move)
- 11. More than 25 business lines, or more than 15 loops
- 12. Transfer of calls option for the CLEC end users
- 13. Directory Listings (Indentions and Captions)

Expedites (requested by the CLEC) *See LSR Flow-Through Matrix following O-6 for a list of services, including complex services, and whether LSRs issued for the services are eligible to flow through.

Total System Fallout: Errors that require manual review by the LSCS to determine if the error is caused by the CLEC, or is due to BellSouth system functionality. If it is determined the error is caused by the CLEC, the LSR will be sent back to the CLEC for clarification. If it is determined the error is BellSouth caused, the LCSC representative will correct the error, and the LSR will continue to be processed.

Z Status: LSRs that receive a supplemental LSR submission prior to final disposition of the original LSR.

Calculation

Percent Flow Through = a / [b - (c + d + e + f)] X 100

- a = The total number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that fall out for manual processing
- d = the number of LSRs that are returned to the CLEC for clarification
- e = the number of LSRs that contain errors made by CLECs
- f = the number of LSRs that receive a Z status

Percent Achieved Flow Through = $a / [b-(c+d+e)] \times 100$

- a = the number of LSRs that flow through LESOG/LAUTO and reach a status for a FOC to be issued
- b = the number of LSRs passed from LEO/LNP Gateway to LESOG/LAUTO
- c = the number of LSRs that are returned to the CLEC for clarification
- d = the number of LSRs that contain errors made by CLECs
- e = the number of LSRs that receive Z status

Report Structure

Provides the flow through percentage for each CLEC (by alias designation) submitting LSRs through the CLEC mechanized ordering process. The report provides the following:

- CLEC (by alias designation)
- · Number of fatal rejects
- · Mechanized interface used
- Total mechanized LSRs
- Total manual fallout
- · Number of auto clarifications returned to CLEC
- Number of validated LSRs
- · Number of BellSouth caused fallout
- · Number of CLEC caused fallout
- · Number of Service Orders Issued
- Base calculation
- · CLEC error excluded calculation

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance			
 Report Month Total Number of LSRs Received, by Interface, by CLEC TAG EDI 	Report Month Total Number of Errors by Type Bellsouth System Error			
- LENS - Total Number of Errors by Type, by CLEC				
Fatal RejectsAuto ClarificationCLEC Errors				
Total Number of Errors by Error Code Total Fallout for Manual Processing				

SQM Level of Disaggregation	SQM Analog/Benchmark ⁴
• Residence	• Benchmark: 95%
• Business	• Benchmark: 90%
• UNE	• Benchmark: 85%
· LNP	Benchmark: 85%

Benchmarks do not apply to the "Percent Achieved Flow Through."

SEEM Measure

		SEEM Me	asure		
Yes	Tier I			X	
	Tier II				

SEEM Disaggregation	SEEM Analog/Benchmark ⁵
Residence	• Benchmark: 95%
Business	• Benchmark: 90%
• UNE	• Benchmark: 85%
• LNP	Benchmark: 85%

Benchmarks do not apply to the "Percent Achieved Flow Through."

O-5: Flow-Through Error Analysis

Definition

An analysis of each error type (by error code) that was experienced by the LSRs that did not flow through or reached a status for a FOC to be issued.

Exclusions

Each Error Analysis is error code specific, therefore exclusions are not applicable.

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued. The CLEC mechanized ordering process does not include LSRs which are submitted manually (for example, fax and courier).

Calculation

Total for each error type.

Report Structure

Provides an analysis of each error type (by error code). The report is in descending order by count of each error code and provides the following:

- Error Type (by error code)
- · Count of each error type
- · Percent of each error type
- Cumulative percent
- Error Description
- CLEC Caused Count of each error code
- Percent of aggregate by CLEC caused count
- · Percent of CLEC caused count
- · BellSouth Caused Count of each error code
- · Percent of aggregate by BellSouth caused count
- · Percent of BellSouth by BellSouth caused count

Data Retained

Relating to CLEC Experience Report Month Total Number of LSRs Received Total Number of Errors by Type (by error code) - CLEC Caused Error	Relating to BellSouth Performance Report Month Total Number of Errors by Type (by error code) BellSouth System Error
---	--

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark	
Not Applicable	Not Applicable	

SEEM Measure

	SE	EM Measure	
No	Tier I		
	Tier II		\neg

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

O-6: CLEC LSR Information

Definition

A list with the flow through activity of LSRs by CC, PON and Ver, issued by each CLEC during the report period.

Exclusions

- Fatal Rejects
- · LSRs submitted manually

Business Rules

The CLEC mechanized ordering process includes all LSRs, including supplements (subsequent versions) which are submitted through one of the three gateway interfaces (TAG, EDI, and LENS), that flow through and reach a status for a FOC to be issued. The CLEC mechanized ordering process does not include LSRs which are submitted manually (for example, fax and courier).

Calculation

Not Applicable

Report Structure

Provides a list with the flow through activity of LSRs by CC, PON and Ver, issued by each CLEC during the report period with an explanation of the of the columns and content. This report is available on a CLEC specific basis. The report provides the following for each LSR.

- · CC
- PON
- Ver
- Timestamp
- Type
- Err #
- Note or Error Description

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Not Applicable
 Record of LSRs Received by CC, PON and Ver 	- Tot inputation
 Record of Timestamp, Type, Err # and Note or Error 	
Description for each LSR by CC, PON and Ver	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark	-
Not Applicable	Not Applicable	

SEEM Measure

Ľ		SEEM Me	sasure
1	No	Tier I	
L		Tier II	

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

LSR Flow Through Matrix

Product	Product Type	Reqtype	ACT Type	F/T ³	Comple x Service	plex	Fallout For	EDI	TAC	G LEN S ⁴
2 wire analog DID trunk port	U,C	A	N,T	No	UNE	Yes	NA	N	N	-
2 wire analog port	U	Α	N,T	No	UNE	No	Yes	Y	_	N
2 wire ISDN digital line	U,C	A	N,T	No	UNE	Yes	NA NA	N	Y	N
2 wire ISDN digital loop	U,C	A	N,T	Yes	UNE	Yes	No	Y	N Y	N
3 Way Calling	R,B	E,M	N,C,T,V,W	Yes	No	No	No	Y	_	N
4 wire analog voice grade loop	U,C	A	N,T	Yes	UNE	Yes	No	Y	Y	Y
4 wire DSO & PRI digital loop	U,C	Α	N,T	No	UNE	Yes	NA NA		Y	N
4 wire DS1 & PRI digital loop	U,C	Α	N,T	No	UNE	Yes	NA NA	N	N	N
4 wire ISDN DSI digital trunk ports	U,C	Α	N,T	No	UNE	Yes		N	N	N
Accupulse	С	Е	N,C,T,V,W	No	Yes	Yes	NA NA	N.	N	N
ADSL	R,B,C	Е	V,W	No	UNE	No	NA N	N	N	N
Area Plus	R,B	E,M	N,C,T,V,W	Yes	No	No	No	Y	Y	N
Basic Rate ISDN	U,C	A	N,T	No	Yes	Yes	No	Y	Y	Y
Basic Rate ISDN 2 Wire	С	Е	C, D,T,V,W	No	Yes	Yes	Yes	Y	Y	N
Basic Rate ISDN 2 Wire	С	E	N,T	No	Yes		Yes	Y	Y	N
Basic Rate ISDN 2 Wire UNE P	С	M	N,C,D,V	No	YES	Yes Yes	N/A	N	N	N
Analog Data/Private Line	C	Е	N, C, T, V, W, D, P,		Yes	Yes	N/A N/A	Z	N	N N
Call Block	R,B	E,B,M	N,C,T,V,W	Yes	No	No				L
Call Forwarding	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Return	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Selector	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No No	Y	Y	Y
Call Tracing	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
all Waiting	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No	Y	Y	Y
Call Waiting Deluxe	R,B	E,B,M	N,C,T,V,W	Yes	No	No		Y	Y	Y
Caller ID	R,B	E,B,M	N,C,T,V,W	Yes	No	No	No No	Y Y	Y	Y
ENTREX	С	P	V,P	No		Yes	NA NA		Y	Y
DID ACT W	С	N	W	No		Yes	Yes	N Y	N	N
Digital Data Transport	U	Е	N,C,T,V,W	No		Yes	NA NA		Y	Y
Pirectory Listing Indentions	B,U	B,C,E,F, J,M,N	N,C,T,R,V,W,P,Q	No	No	No	Yes	N Y	N Y	N
irectory Listings Captions	R,B,U	B,C,E,F, J,M,N	N,C,T,R,V,W,P,Q	No	No	Yes	Yes	Y	Y	Y
irectory Listings (simple)	R,B,U	B,C,E,F, J,M,N	N,C,T,R,V,W,P,Q	Yes	No	No	No	Y	Y	Y
S1Loop	U	A,M	N,C,V	No	UNE	Yes	NA	N	N	N
	U	A,M	N,C,V	Yes		Yes		Ÿ	Ÿ	N
SO Loop	U	A, B	N,C,D,T,V	Yes		Yes		Ÿ	Ŷ	N
nhanced Caller ID	R,B	E,M	C,D,N,T,V,W	Yes		No		Ŷ	Ŷ	Y
	. C		C,D,T,V,S,B,W,L ,P,Q	No		Yes		N	N	N
at Rate/Business	В	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
at Rate/Residence	R	E, M	C,D,N,T,V,W	Yes		No			Ÿ	Ÿ
EXSERV	С	E	N,C,D,T,V,W,P,Q	No		res			N	N
ame Relay	С	E	N,C,D,V,W	No		res		_		
	С	E	N,C,D,T,V,W,P,O	No		res			N N	N
. Community Calling	R,B	E, M		Yes		No				NY
DSL	U	A		Yes		No				
inting MLH	R,B	E, M	C,D,N,T,V,W	No		7/S				N
nting Series Completion	R,B	E, M		Yes		75 75				N
P to LNP Conversion	U	С	c l	No		res		_	_	Y N

Product	Product Type	Reqtype		F/T ³	Comple x Service	plex	Fallout For	EDI	TAC	SLEN S ⁴
LightGate	С	Е	N,C,D,T,V,W,P,Q	No	Yes	Yes	NA	N	N	+
Line Sharing	U	Α	C,D	Yes	UNE	No	No	Y	Y	N
Local Number Portability	U	С	C,D,P,V,Q	Yes	UNE	Yes	No	Ÿ	Y	_
LNP With Complex Listing	C	C	P,V,Q,W	No	UNE	Yes	Yes	Ÿ	Y	N
LNP with Partial Migration	U	C	D,P,V,Q	No	UNE	Yes	Yes	Y	Y	N.
LNP with Complex Services	C	С	P,V,Q,W	No	UNE	Yes	Yes	Y		N
Loop+INP	U	В	D,P,V,Q	Yes	UNE	No	No	Y	Y	N
Loop+LNP	U	В	C,D,N,V	Yes	UNE	No	No	Y	Y	N
Measured Rate/Bus	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	N
Measured Rate/Res	R,B	E,M	C,D,T,N,V,W	Yes	No	No	No	Y	Y	Y
Megalink	C	Е	N,V,W,T,D,C,P,Q	No	Yes	Yes	NA NA		Y	Y
Megalink-T1	C	E,M	N,V,W,T,D,C,P,Q	No	Yes	Yes	NA NA	N	N	N
Memory Call	R,B	E, M	C,D,N,T,V,W	Yes	No	No		N	N	N
Memory Call Ans. Svc.	R,B	E, M	C,D,N,T,V,W	Yes	No	No	No	Y	Y	Y
Multiserv	C	P	N,C,D,T,V,S,B, W,L,P,Q	No	Yes	Yes	No NA	Y	Y N	Y
Native Mode LAN Interconnection NMLI)	С	E	N,C,D,V,W	No	Yes	Yes	NA	N	N	N
Off-Prem Stations	С	Е	N,C,D,V,W,T,P,Q	No	Yes	Yes	NA	. 	. 	
Optional Calling Plan	R,B	E, M	N	Yes	No	No	No	N Y	N	N
Package/Complete Choice and Area Plus	R,B	E, M	N,T,C,V,W	Yes	No	No	No	Y	Y	Y
Pathlink Primary Rate ISDN	С	Е	N,C,D,T,V,W,P,Q	No	Yes	Yes	- 37.			
ay Phone Provider	В	E	C,D,T,N,V,W	No	No	No	NA NA	N	N	N
BX Standalone Port	C	F	N,C,D	No		Yes	NA	N	N	N
BX Trunks	R,B		N,C,D,V,W,T,P,Q	No		Yes	Yes	Y	Y	N
ort/Loop PBX	U	M	A,C,D,V	No		No	Yes	Y	Y	N
ort/Loop Simple	U	M	A,C,D,V	Yes		No	Yes	Y	Y	N
referred Call Forward	R,B,U	Е	C,D,T,N,V,W	Yes		No	Yes	Y	Y	Y
CF Basic	R,B	E	N,D,W,T,F	Yes		No	No	Y	Y	Y
emote Access to CF	R,B	E,M	C,D,T,N,V,W	Yes		No No	No	Y	Y	Y
epeat Dialing	R,B	E,M	C,D,T,N,V,W	Yes		No	No		Y	Y
ingmaster	R,B	E,M	C,D,T,N,V,W	Yes					Y	Y
martpath	R,B	E	C,D,T,N,V,W	No		No	No		Y	Y
martRING	ć	E	N,D,C,V,W	No		Yes Yes			N	N
peed Calling	R,B	E	C,D,T,N,V,W	Yes					N	N
nchronet	Ċ	E	N N			No			Y	Y
e Lines	С		N,C,D,V,W,T,P,Q	Yes No		es .				N
ouchtone	R,B	E	C,D,T,N,V,W	Yes		es			_	N
nbundled Loop-Analog 2W, SL1,	ΰ	A,B	C,D,T,N,V,W	Yes		No No			Y Y	YY
ATS	R,B	E	W,D	No	¥7 1					
DSL	C,U	A,B	N,T,C,V,D	Yes		es				N
OSL Extended LOOP	C,U	A,B	N,T,C,V,D	No		Vo				N
ollect Call Block	R,B	E	N,T,C,V,W,D			es				N
0 Call Block	R,B	E		Yes		Vo				Y
l Party Call Block ree Way Call Block	R,B	E		Yes		Vo				Y
ree Way Call Block	R,B	E		Yes		Vo O				Y
C/LPIC Change	R,B	E		Yes		lo				Y
C/LPIC Freeze	R,B	E	T,C,V,	Yes	No 1	lo	No 1	Y	Y	Y

Note¹: Planned Fallout for Manual Handling denotes those services that are electronically submitted and are not intended to flow through due to the complexity of the service.

Note²: The TAG column includes those LSRs submitted via Robo TAG.

Note³: For all services that indicate 'No' for flow-through, the following reasons, in addition to errors or complex services, also prompt manual handling: Expedites from CLECs, special pricing plans, denials restore and conversion or disconnect and conversion both required, partial migrations (although conversions-as-is flow through for issue 9), class of service invalid in certain states with some TOS e.g. government, or cannot be changed when changing main TN on C activity, low volume e.g. activity type T=move, pending order review required, more than 25 business lines, CSR inaccuracies such as invalid or missing CSR data in CRIS, Directory listings – Indentions, Directory listings – Captions, transfer of calls option for CLEC end user – new TN not yet posted to BOCRIS. Many are unique to the CLEC environment.

Note⁴: Services with C/S in the Complex Service and/or the Complex Order columns can be either complex or simple.

Note⁵: EELs are manually ordered.

Note⁶: LSRs submitted for Resale Products and Services for which there is a temporary promotion or discount plan will be processed identically to those LSRs ordering the same Products or Services without a promotion or discount plan.

O-7: Percent Rejected Service Requests

Definition

Percent Rejected Service Request is the percent of total Local Service Requests (LSRs) received which are rejected due to error or omission. An LSR is considered valid when it is submitted by the CLEC and passes edit checks to insure the data received is correctly formatted and complete.

Exclusions

- Service Requests canceled by the CLEC prior to being rejected/clarified.
- Scheduled OSS Maintenance

Business Rules

Fully Mechanized: An LSR is considered "rejected" when it is submitted electronically but does not pass LEO edit checks in the ordering systems (EDI, LENS, TAG, LEO, LESOG) and is returned to the CLEC without manual intervention. There are two types of "Rejects" in the Mechanized category:

A Fatal Reject occurs when a CLEC attempts to electronically submit an LSR but required fields are either not populated or incorrectly populated and the request is returned to the CLEC before it is considered a valid LSR.

Fatal rejects are reported in a separate column, and for informational purposes ONLY. Fatal rejects are excluded from the calculation of the percent of total LSRs rejected or the total number of rejected LSRs.

An Auto Clarification occurs when a valid LSR is electronically submitted but rejected from LESOG because it does not pass further edit checks for order accuracy.

Partially Mechanized: A valid LSR, which is electronically submitted (via EDI, LENS, TAG) but cannot be processed electronically and "falls out" for manual handling. It is then put into "clarification" and sent back (rejected) to the CLEC.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized LSRs electronically submitted by the CLEC.

Non-Mechanized: LSRs which are faxed or mailed to the LCSC for processing and "clarified" (rejected) back to the CLEC by the BellSouth service representative.

Interconnection Trunks: Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Interconnection Purchasing Center (IPC). Trunk data is reported separately.

Calculation

Percent Rejected Service Requests = (a / b) X 100

- a = Total Number of Rejected Service Requests in the Reporting Period
- b = Total Number of Service Requests Received in the Reporting Period

Report Structure

- · Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
- CLEC Specific
- CLEC Aggregate
- Geographic Scope
 - State
 - Region
- · Product Specific Percent Rejected
- Total Percent Rejected

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Not Applicable
Total Number of LSRs	
Total Number of Rejects	
State and Region	
Total Number of ASRs (Trunks)	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Mechanized, Partially Mechanized and Non-Mechanized	Diagnostic
Resale - Residence	
Resale - Business	
Resale – Design (Special)	
Resale PBX	
Resale Centrex	
Resale ISDN	
• LNP (Standalone)	
• INP (Standalone)	
2W Analog Loop Design	
• 2W Analog Loop Non-Design	
• 2W Analog Loop With INP Design	
• 2W Analog Loop With INP Non-Design	
2W Analog Loop With LNP Design	
• 2W Analog Loop With LNP Non-Design	
• UNE Loop + Port Combinations	
• Switch Ports	
UNE Combination Other	
• UNE xDSL (ADSL, HDSL, UCL)	
• Line Sharing	
UNE ISDN Loop	
• UNE Other Design	
UNE Other Non-Design	
Local Interoffice Transport	
Local Interconnection Trunks	

SEEM Measure

			SEEM M	easure	
1	No	Tier I			
l.		Tier II			

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

O-8: Reject Interval

Definition

Reject Interval is the average reject time from receipt of an LSR to the distribution of a Reject. An LSR is considered valid when it is submitted by the CLEC and passes edit checks to insure the data received is correctly formatted and complete.

Exclusions

- · Service Requests canceled by CLEC prior to being rejected/clarified
- · Designated Holidays are excluded from the interval calculation
- · LSRs which are identified and classified as "Projects"
- · The following hours for Partially mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group – Monday through Saturday 7:00PM until 7:00AM From 7:00 PM Saturday until 7:00 AM Monday

Business Resale, Complex, UNE Groups - Monday through Friday 6:00PM until 8:00AM From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

· Scheduled OSS Maintenance

Business Rules

Fully Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is rejected (date and time stamp or reject in EDI, TAG or LENS). Auto Clarifications are considered in the Fully Mechanized category.

Partially Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until it falls out for manual handling. The stop time on partially mechanized LSRs is when the LCSC Service Representative clarifies the LSR back to the CLEC via LENS, EDI, or TAG.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.

Non-Mechanized: The elapsed time from receipt of a valid LSR (date and time stamp of FAX or date and time mailed LSR is received in the LCSC) until notice of the reject (clarification) is returned to the CLEC via LON.

Interconnection Trunks: Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Local Interconnection Service Center (LISC). Trunk data is reported separately. All interconnection trunks are counted in the non-mechanized category.

Calculation

Reject Interval = (a - b)

- a = Date and Time of Service Request Rejection
- b = Date and Time of Service Request Receipt

Average Reject Interval = (c/d)

- c = Sum of all Reject Intervals
- d = Number of Service Requests Rejected in Reporting Period

Report Structure

- · CLEC Specific
- CLEC Aggregate
- Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
- Geographic Scope

- State
- Region
- · Mechanized:
- 0 <= 4 minutes
- >4 <= 8 minutes
- >8 <= 12 minutes
- >12 <= 60 minutes
- 0 <= 1 hour
- >1 <= 4 hours
- >4 <= 8 hours
- >8 <= 12 hours
- >12 <= 16 hours
- >16 <= 20 hours
- >20 <= 24 hours
- >24 hours
- · Partially Mechanized:
- 0 <= 1 hour
- >1 <= 4 hours
- >4 <= 8 hours
- >8 <= 10 hours
- $0 \leq 10$ hours
- >10 <= 18 hours
- 0 <= 18 hours
- >18 <= 24 hours
- >24 hours
- · Non-mechanized:
- $0 \leq 1$ hour
- >1 <= 4 hours
- >4 <= 8 hours
- >8 <= 12 hours
- >12 <= 16 hours
- >16 <= 20 hours
- >20 <= 24 hours
- 0 <= 24 hours > 24 hours
- 24 M
- Trunks:
 - <= 4 days >4 - <= 8 days
- >8 <= 12 days
- >12 <= 14 days
- >14 <= 20 days
- >20 days

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	• Not Applicable
Reject Interval	Not Applicable
Total Number of LSRs	
Total Number of Rejects	
State and Region	
• Total Number of ASRs (Trunks)	

SQM Level of Disaggregation	SQM Analog/Benchmark
 Resale - Residence Resale - Business Resale - Design (Special) Resale PBX Resale Centrex 	 Mechanized: - 97% <= I Hour Partially Mechanized: - 85% <= 24 hours - 85% <= 18 Hours (05/01/01)

Resale ISDN	
	- 85% <= 10 Hours (08/01/01)
• LNP (Standalone)	• Non-Mechanized: - 85% <= 24 hours
• INP (Standalone)	
• 2W Analog Loop Design	
2W Analog Loop Non-Design	
• 2W Analog Loop With INP Design	
• 2W Analog Loop With INP Non-Design	
• 2W Analog Loop With LNP Design	
• 2W Analog Loop With LNP Non-Design	
• UNE Loop + Port Combinations	
• Switch Ports	
UNE Combination Other	
• UNE xDSL (ADSL, HDSL, UCL)	
• Line Sharing	
• UNE ISDN Loops	
UNE Other Non-Design	
Local Interoffice Transport	
• UNE Other Design	
Local Interconnection Trunks	• Trunks: - 85% <= 4 Days
	1 200/0

SEEM Measure

	•	SEEM Me	asure	
Yes	Tier I		X	
	Tier II		X	*****

SEEM Disaggregation	SEEM Analog/Benchmark		
Fully Mechanized	• 97% <= 1 Hour		
Partially Mechanized	• 85% <= 24 Hours		
	• 85% <= 18 Hours (05/01/01)		
	• 85% <= 10 Hours (08/01/01)		
Non-Mechanized	• 85% <= 24 Hours		

O-9: Firm Order Confirmation Timeliness

Definition

Interval for Return of a Firm Order Confirmation (FOC Interval) is the average response time from receipt of valid LSR to distribution of a Firm Order Confirmation.

Exclusions

- · Rejected LSRs
- · Designated Holidays are excluded from the interval calculation
- LSRs which are identified and classified as "Projects"
- · The following hours for Partially Mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group - Monday through Saturday 7:00PM until 7:00AM From 7:00 PM Saturday until 7:00 AM Monday.

Business Resale, Complex, UNE Groups - Monday through Friday 6:00PM until 8:00AM From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

Scheduled OSS Maintenance

Business Rules

- Fully Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is processed, appropriate service orders are generated and a Firm Order Confirmation is returned to the CLEC via EDI, LENS or TAG.
- Partially Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS, or TAG) which falls out for manual handling until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is returned to the CLEC via EDI, LENS, or TAG.
- Total Mechanized: Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the CLEC.
- Non-Mechanized: The elapsed time from receipt of a valid paper LSR (date and time stamp of FAX or date and time paper LSRs received in LCSC) until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is sent to the CLEC via LON.
- Interconnection Trunks: Interconnection Trunks are ordered on Access Service Requests (ASRs). ASRs are submitted to and processed by the Local Interconnection Service Center (LISC). Trunk data is reported separately.

Calculation

Firm Order Confirmation Interval = (a - b)

- a = Date & Time of Firm Order Confirmation
- b = Date & Time of Service Request Receipt)

Average FOC Interval = (c/d)

- c = Sum of all FOC Intervals
- d = Total Number of Service Requests Confirmed in Reporting Period

FOC Interval Distribution (for each interval) = $(e/f) \times 100$

- e = Service Requests Confirmed in interval
- f = Total Service Requests Confirmed in the Reporting Period

Report Structure

- · Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
 - CLEC Specific
- CLEC Aggregate
- · Geographic Scope
 - State
- Region
- Fully Mechanized:
- 0 <= 15 minutes
- >15 <= 30 minutes
- >30 <= 45 minutes
- >45 <= 60 minutes
- >60 <= 90 minutes
- >90 <= 120 minutes
- >120 <= 180 minutes
- $0 \le 3$ hours
- >3 <= 6 hours
- >6 <= 12 hours
- >12 <= 24 hours
- >24 <= 48 hours
- >48 hours
- · Partially Mechanized:
- 0 <= 4 hours
- >4 <= 8 hours
- >8 <= 10 hours
- $0 \leq 10$ hours
- >10 <= 18 hours
- 0 <= 18 hours >18 - <= 24 hours
- 0 <= 24 hours
- >24 <= 48 hours
- >48 hours
- · Non-Mechanized:
- 0 <= 4 hours
- >4 <= 8 hours
- >8 <= 12 hours
- >12 <= 16 hours
- >16 <= 20 hours
- >20 <= 24 hours
- >24 <= 36 hours 0 - <= 36 hours
- >36 <= 48 hours
- >48 hours
- Trunks:
- $0 \le 5 \text{ days}$
- >5 <= 10 days
- $0 \le 10 \text{ days}$
- >10 <= 15 days
- >15 <= 20 days
- >20 days

Data Retained

Relating to CLEC Experience	Relating to BeliSouth Performance		
Report Month Interval for FOC	Not Applicable		
Total Number of LSRs			
• State and Region			
Total Number of ASRs (Trunks)			

Version 0.05 RGN-005-122101

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale – Residence	• Mechanized: - 95% <= 3 Hours
• Resale – Business	Partially Mechanized:
Resale – Design (Special)	- 85% <= 24 Hours
Resale PBX	- 85% <= 18 Hours (05/01/01)
Resale Centrex	- 85% <= 10 Hours (08/01/01)
Resale ISDN	• Non-mechanized: - 85% <= 36 Hours
• LNP (Standalone)	11011 Moontain20d, - 0570 \- 50 Hours
• INP(Standalone)	
2W Analog Loop Design	
2W Analog Loop Non-Design	
2W Analog Loop With INP Design	
 2W Analog Loop With INP Non-Design 	
2W Analog Loop With LNP Design	
2W Analog Loop With LNP Non-Design	
UNE Loop + Port Combinations	
Switch Ports	
· UNE Combination Other	
UNE xDSL (ADSL, HDSL, UCL)	
Line Sharing	
UNE ISDN Loops	
UNE Other Design	
UNE Other Non-Design	
Local Interoffice Transport	
Local Interconnection Trunks	• Trunks: - 95% <= 10 Days

SEEM Measure

		SEEM M	easure		
Yes	Tier I			Х	
	Tier II			X	

SEEM Disaggregation	SEEM Analog/Benchmark		
Fully Mechanized	• 95% <= 3 Hours		
Partially Mechanized	• 85% <= 24 Hours		
	• 85% <= 18 Hours (05/01/01)		
	• 85% <= 10 Hours (08/01/01)		
Non-Mechanized	• 85% <= 36 Hours		
• IC Trunks	• 95% <= 10 Days		

O-10: Service Inquiry with LSR Firm Order Confirmation (FOC) Response Time Manual⁶

Definition

This report measures the interval and the percent within the interval from the submission of a Service Inquiry (SI) with Firm Order LSR to the distribution of a Firm Order Confirmation (FOC).

Exclusions

- · Designated Holidays are excluded from the interval calculation
- · Weekend hours from 5:00PM Friday until 8:00AM Monday are excluded from the interval calculation of the Service Inquiry
- · Canceled Requests
- · Electronically Submitted Requests
- Scheduled OSS Maintenance

Business Rules

This measurement combines four intervals:

- 1. From receipt of Service Inquiry with LSR to hand off to the Service Advocacy Center (SAC) for Loop 'Look-up'.
- 2. From SAC start date to SAC complete date.
- 3. From SAC complete date to the Complex Resale Support Group (CRSG) complete date with hand off to LCSC.
- 4. From receipt of SI/LSR in the LCSC to Firm Order Confirmation.

Calculation

FOC Timeliness Interval = (a - b)

- a = Date and Time Firm Order Confirmation (FOC) for SI with LSR returned to CLEC
- b = Date and Time SI with LSR received

Average Interval = (c/d)

- c = Sum of all FOC Timeliness Intervals
- d = Total number of SIs with LSRs received in the reporting period

Percent Within Interval = (e/f) X 100

- e = Total number of Service Inquiries with LSRs received by the CRSG to distribution of FOC by the Local Carrier Service Center (LCSC)
- f = Total number of Service Inquiries with LSRs received in the reporting period

Report Structure

- CLEC Aggregate
- CLEC Specific
- Geographic Scope
- State
- Region
- Intervals
- $0 \le 3$ days
- >3 <= 5 days
- $0 \le 5 \text{ days}$
- >5 <= 7 days
- >7 <= 10 days
- >10 <= 15 days
- >15 days

See O-9 for FOC Timeliness

· Average Interval measured in days

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Not Applicable
Total Number of Requests	Not Applicable
SI Intervals	
State and Region	

SQM Disaggregation - Analog/Benchmark

• xDSL (includes UNE unbundled ADSL, HDSL and UNE Unbundled Connect Local)	SQM Analog/Beno 95% Returned <= 5 Business day	hmark
Unbundled Copper Loops) • Unbundled Interoffice Transport		

SEEM Measure

	SEEM Measure	
No	Tier I	
	Tier II	

SEEM	Disaggregation	SEE	M Analog/Benchma	rk 1
Not Applicable		 Not Applicable 	3-010,1110	

O-11: Firm Order Confirmation and Reject Response Completeness

Definition

A response is expected from BellSouth for every Local Service Request transaction (version). More than one response or differing responses per transaction is not expected. Firm Order Confirmation and Reject Response Completeness is the corresponding number of Local Service Requests received to the combination of Firm Order Confirmation and Reject Responses.

Exclusions

- Service Requests canceled by the CLEC prior to FOC or Rejected/Clarified
- Non-Mechanized LSRs
- · Scheduled OSS Maintenance

Business Rules

Mechanized - The number of FOCs or Auto Clarifications sent to the CLEC from LENS, EDI, TAG in response to electronically submitted LSRs (date and time stamp in LENS, EDI, TAG).

Partially Mechanized - The number of FOCs or Rejects sent to the CLEC from LENS, EDI, TAG in response to electronically submitted LSRs (date and time stamp in LENS, EDI, TAG), which fall out for manual handling by the LCSC personnel.

Total Mechanized - The number of the combination of Fully Mechanized and Partially Mechanized LSRs

Non-Mechanized - The number of FOCs or Rejects sent to the CLEC via FAX Server in response to manually submitted LSRs (date and time stamp in FAX Server).

Note: Manual (Non-Mechanized) LSRs have no version control by the very nature of the manual process, therefore, non-mechanized LSRs are not captured by this report.

For CLEC Results:

Firm Order Confirmation and Reject Response Completeness is determined in two dimensions:

Percent responses is determined by computing the number of Firm Order Confirmations and Rejects transmitted by BellSouth and dividing by the number of Local Service Requests (all versions) received in the reporting period.

Percent of multiple responses is determined by computing the number of Local Service Request unique versions receiving more than one Firm Order Confirmation, Reject or the combination of the two and dividing by the number of Local Service Requests (all versions) received in the reporting period.

Calculation

Single FOC/Reject Response Expected

Firm Order Confirmation / Reject Response Completeness = (a / b) X 100

- a = Total Number of Service Requests for which a Firm Order Confirmation or Reject is Sent
- b = Total Number of Service Requests Received in the Report Period

Multiple or Differing FOC / Reject Responses Not Expected

Response Completeness = $[(a + b) / c] \times 100$

- a = Total Number of Firm Order Confirmations Per LSR Version
- b = Total Number of Reject Responses Per LSR Version
- c = Total Number of Service Requests (All Versions) Received in the Reporting Period

Report Structure

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

- · State and Region
- CLEC Specific
- CLEC Aggregate
- BellSouth Specific

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Not Applicable
Reject Interval	
Total Number of LSRs	
Total Number of Rejects	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	• 95% Returned
Resale Business	
Resale Design	
Resale PBX	
Resale Centrex	
Resale ISDN	
• LNP (Standalone)	
• INP (Standalone)	
2W Analog Loop Design	
2W Analog Loop Non - Design	
2W Analog Loop With INP Design	
2W Analog Loop With INP Non - Design	
2W Analog Loop With LNP Design	
2W Analog Loop With LNP Non - Design	
UNE Loop and Port Combinations	
• Switch Ports	
UNE Combination Other	
• UNE xDSL (ADSL, HDSL, UCL)	
• Line Sharing	
UNE ISDN Loops	
UNE Other Design	
• UNE Other Non - Design	
Local Interoffice Transport	
Local Interconnection Trunks	

SEEM Measure

SEEM Measure				
Yes	Tier I		X	
	Tier II		X	

SEEM Disaggregation	SEEM Analog/Benchmark
Fully Mechanized	• 95% Returned

O-12: Speed of Answer in Ordering Center

Definition

Measures the average time a customer is in queue.

Exclusions

None

Business Rules

The clock starts when the appropriate option is selected (i.e., 1 for Resale Consumer, 2 for Resale Multiline, and 3 for UNE-LNP, etc.) and the call enters the queue for that particular group in the LCSC. The clock stops when a BellSouth service representative in the LCSC answers the call. The speed of answer is determined by measuring and accumulating the elapsed time from the entry of a CLEC call into the BellSouth automatic call distributor (ACD) until a service representative in BellSouth's Local Carrier Service Center (LCSC) answers the CLEC call.

Calculation

Speed of Answer in Ordering Center = (a/b)

- a = Total seconds in queue
- b = Total number of calls answered in the Reporting Period

Report Structure

Aggregate

- CLEC Local Carrier Service Center
- · BellSouth
- Business Service Center
- Residence Service Center

Note: Combination of Residence Service Center and Business Service Center data.

Data Retained

Relating to CLEC Experience	
Machanizad turniti	Relating to BellSouth Performance
Mechanized tracking through LCSC Automatic Call	Mechanized tracking through BellSouth Retail center
Distributor	support system.

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Aggregate CLEC – Local Carrier Service Center BellSouth	Parity with Retail
- Business Service Center - Residence Service Center	

SEEM Measure

		SEEM Measure
No	Tier I	
	Tier II	

OFFIL BY			
SEEM Disaggregation		SEEM Analog/Benchmark	7
Not Applicable	. N.	ot Applicable	<u> </u>
	1.144	ot Applicable	1

O-13: LNP-Percent Rejected Service Requests

Definition

Percent Rejected Service Request is the percent of total Local Service Requests (LSRs) which are rejected due to error or omission. An LSR is considered valid when it is electronically submitted by the CLEC and passes LNP Gateway edit checks to insure the data received is correctly formatted and complete, i.e., fatal rejects are never accepted and, therefore, are not included.

Exclusions

- · Service Requests canceled by the CLEC
- Scheduled OSS Maintenance

Business Rules

An LSR is considered "rejected" when it is submitted electronically but does not pass edit checks in the ordering systems (EDI, TAG, LNP Gateway, LAUTO) and is returned to the CLEC without manual intervention.

Fully Mechanized: There are two types of "Rejects" in the Fully Mechanized category:

A Fatal Reject occurs when a CLEC attempts to electronically submit an LSR (via EDI or TAG) but required fields are not populated correctly and the request is returned to the CLEC.

Fatal rejects are reported in a separate column, and for informational purposes ONLY. They are not considered in the calculation of the percent of total LSRs rejected or the total number of rejected LSRs.

An Auto Clarification is a valid LSR which is electronically submitted (via EDI or TAG), but is rejected from LAUTO because it does not pass further edit checks for order accuracy. Auto Clarifications are returned without manual intervention.

Partially Mechanized: A valid LSR which is electronically submitted (via EDI or TAG), but cannot be processed electronically due to a CLEC error and "falls out" for manual handling. It is then put into "clarification", and sent back (rejected) to the CLEC.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized rejects.

Non-Mechanized: A valid LSR which is faxed or mailed to the BellSouth LCSC.

Calculation

LNP-Percent Rejected Service Requests = (a / b) X 100

- a = Number of Service Requests Rejected in the Reporting Period
- b = Number of Service Requests Received in the Reporting Period

Report Structure

- Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized
- · CLEC Specific
- CLEC Aggregate

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Not Applicable	Not Applicable

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
• LNP	Diagnostic
• UNE Loop With LNP	

SEEM Measure

		SEEM Me	asure
No	Tier I		
	Tier II		

APPLE DI	
SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	
- Not Applicable	Not Applicable

O-14: LNP-Reject Interval Distribution & Average Reject Interval

Definition

Reject Interval is the average reject time from receipt of an LSR to the distribution of a Reject. An LSR is considered valid when it is electronically submitted by the CLEC and passes LNP Gateway edit checks to insure the data received is correctly formatted and complete.

Exclusions

- Service Requests canceled by the CLEC
- Designated Holidays are excluded from the interval calculation
- LSRs which are identified and classified as "Projects"
- · The following hours for Partially mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group - Monday through Saturday 7:00PM until 7:00AM From 7:00 PM Saturday until 7:00 AM Monday

Business Resale, Complex, UNE Groups - Monday through Friday 6:00PM until 8:00AM From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

Scheduled OSS Maintenance

Business Rules

The Reject interval is determined for each rejected LSR processed during the reporting period. The Reject interval is the elapsed time from when BellSouth receives LSR until that LSR is rejected back to the CLEC. Elapsed time for each LSR is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of rejected LSRs to produce the reject interval distribution.

An LSR is considered "rejected" when it is submitted electronically but does not pass edit checks in the ordering systems (EDI, TAG, LNP Gateway, LAUTO) and is returned to the CLEC without manual intervention.

Fully Mechanized: There are two types of "Rejects" in the Fully Mechanized category:

A Fatal Reject occurs when a CLEC attempts to electronically submit an LSR but required fields are not populated correctly and the request is returned to the CLEC.

An Auto Clarification is a valid LSR which is electronically submitted (via EDI or TAG), but is rejected from LAUTO because it does not pass further edit checks for order accuracy. Auto Clarifications are returned without manual intervention.

Partially Mechanized: A valid LSR which electronically submitted (via EDI or TAG), but cannot be processed electronically due to a CLEC error and "falls out" for manual handling. It is then put into "clarification", and sent back to the CLEC.

Total Mechanized: Combination of Fully Mechanized and Partially Mechanized rejects.

Non-Mechanized: A valid LSR which is faxed or mailed to the BellSouth LCSC.

Calculation

Reject Interval = (a - b)

- a = Date & Time of Service Request Rejection
- b = Date & Time of Service Request Receipt

Average Reject Interval = (c/d)

- · c = Sum of all Reject Intervals
- d = Total Number of Service Requests Rejected in Reporting Period

Reject Interval Distribution = (e/f) X 100

- e = Service Requests Rejected in reported interval
- f = Total Number of Service Requests Rejected in Reporting Period

Report Structure

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

- CLEC Specific
- CLEC Aggregate
- · State, Region
- · Fully Mechanized:
- 0 <= 4 minutes
- >4 <= 8 minutes
- >8 <= 12 minutes
- >12 <= 60 minutes
- $0 \leq 1$ hour
- >1 <= 4 hours
- >4 <= 8 hours
- >8 <= 12 hours
- >12 <= 16 hours
- >16 <= 20 hours
- >20 <= 24 hours
- > 24 hours
- · Partially Mechanized:
 - 0 <= 1 hour
 - >1 <= 4 hours
- >4 <= 8 hours
- >8 <= 10 hours
- $0 \leq 10$ hours
- >10 <= 18 hours
- 0 <= 18 hours
- >18 <= 24 hours
- > 24 hours
- · Non-Mechanized:
 - 0 <= 1 hour
- >1 <= 4 hours
- >4 <= 8 hours
- >8 <= 12 hours >12 - <= 16 hours
- >16 <= 20 hours
- >20 <= 24 hours
- 0 <= 24 hours
- >24 hours
- · Average Interval in Days or Hours

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month	Not Applicable
Reject Interval	
Total Number of LSRs	
Total number of Rejects	
State and Region	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark	
• LNP	• Mechanized: 97% <= I Hour	
UNE Loop with LNP	 Partially Mechanized: 85% <= 24 Hours 	
	• Partially Mechanized: 85% <= 18 Hours (05/01/01)	
	• Partially Mechanized: 85% <= 10 Hours (08/01/01)	
	• Non-Mechanized: 85% <= 24 Hours	

SEEM Measure

	S	EEM Measure	
No	Tier I		
	Tier II		

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

O-15: LNP-Firm Order Confirmation Timeliness Interval Distribution & Firm **Order Confirmation Average Interval**

Definition

Interval for Return of a Firm Order Confirmation (FOC Interval) is the average response time from receipt of a valid LSR to distribution of a firm order confirmation.

Exclusions

- · Rejected LSRs
- · Designated Holidays are excluded from the interval calculation
- · LSRs which are identified and classified as "Projects"
- The following hours for Partially Mechanized and Non-mechanized LSRs are excluded from the interval calculation:

Residence Resale Group - Monday through Saturday 7:00PM until 7:00AM

From 7:00 PM Saturday until 7:00 AM Monday.

Business Resale, Complex, UNE Groups - Monday through Friday 6:00PM until 8:00AM

From 6:00 PM Friday until 8:00 AM Monday.

The hours excluded will be altered to reflect changes in the Center operating hours. The LCSC will accept faxed LSRs only during posted hours of operation.

The interval will be the amount of time accrued from receipt of the LSR until normal closing of the center if an LSR is worked using overtime hours.

In the case of a Partially Mechanized LSR received and worked after normal business hours, the interval will be set at one (1) minute.

Scheduled OSS Maintenance

Business Rules

- Fully Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS or TAG) until the LSR is processed, appropriate service orders are generated and a Firm Order Confirmation is returned to the CLEC via EDI, LENS or TAG.
- · Partially Mechanized: The elapsed time from receipt of a valid electronically submitted LSR (date and time stamp in EDI, LENS, or TAG) which falls out for manual handling until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is returned to the CLEC via EDI, LENS, or TAG.
- · Total Mechanized: Combination of Fully Mechanized and Partially Mechanized LSRs which are electronically submitted by the
- · Non-Mechanized: The elapsed time from receipt of a valid paper LSR (date and time stamp of FAX or date and time paper LSRs received in LCSC) until appropriate service orders are issued by a BellSouth service representative via Direct Order Entry (DOE) or Service Order Negotiation Generation System (SONGS) to SOCS and a Firm Order Confirmation is sent to the CLEC via LON.

Calculation

Firm Order Confirmation Interval = (a - b)

- a = Date & Time of Firm Order Confirmation
- b = Date & Time of Service Request Receipt)

Average FOC Interval = (c/d)

- c = Sum of all FOC Intervals
- d = Total Number of Service Requests Confirmed in Reporting Period

FOC Interval Distribution (for each interval) = (e / f) X 100

- e = Service Requests Confirmed in interval
- f = Total Service Requests Confirmed in the Reporting Period

Report Structure

Fully Mechanized, Partially Mechanized, Total Mechanized, Non-Mechanized

- CLEC Specific
- CLEC Aggregate
- · State and Region
- Fully Mechanized:
 - 0 <= 15 minutes
- >15 <= 30 minutes
- >30 <= 45 minutes
- >45 <= 60 minutes
- >60 <= 90 minutes
- >90 <= 120 minutes
- >120 <= 180 minutes
- $0 \leftarrow 3$ hours
- >3 <= 6 hours
- >6 <= 12 hours
- >12 <= 24 hours
- >24 <= 48 hours
- >48 hours
- · Partially Mechanized:
 - 0 <= 4 hours
 - >4 <= 8 hours
 - >8 <= 10 hours
 - 0 <= 10 hours
 - >10 <= 18 hours
 - 0 <= 18 hours
 - >18 <= 24 hours
 - 0 <= 24 hours
 - >24 <= 48 hours
 - > 48 hours
- Non-Mechanized:
 - 0 <= 4 hours
 - >4 <= 8 hours
 - >8 <= 12 hours
 - >12 <= 16 hours
 - >16 <= 20 hours >20 - <= 24 hours
 - >24 <= 36 hours
 - 0 <= 36 hours
 - >36 <= 48 hours
 - >48 hours

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance		
Report Month	Not Applicable		
Total Number of LSRs			
Total Number of FOCs			
State and Region			

100

SQM Level of Disaggregation	SQM Analog/Benchmark
• LNP • UNE Loop with LNP	 Mechanized: 95% <= 3 Hours Partially Mechanized: 85% <= 24 Hours Partially Mechanized: 85% <= 18 Hours (05/01/01) Partially Mechanized: 85% <= 10 Hours (08/01/01) Non-Mechanized: 85% <= 36 hours

SEEM Measure

		SEEM M	easure
No	Tier I		
	Tier II		

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

Section 3: Provisioning

P-1: Mean Held Order Interval & Distribution Intervals

Definition

When delays occur in completing CLEC orders, the average period that CLEC orders are held for BellSouth reasons, pending a delayed completion, should be no worse for the CLEC when compared to BellSouth delayed orders. Calculation of the interval is the total days orders are held and pending but not completed that have passed the currently committed due date; divided by the total number of held orders. This report is based on orders still pending, held and past their committed due date at the close of the reporting period. The distribution interval is based on the number of orders held and pending but not completed over 15 and 90 days. (Orders reported in the >90 day interval are also included in the >15 day interval.)

Exclusions

- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- Disconnect (D) & From (F) orders
- · Orders with appointment code of 'A' for Rural orders

Business Rules

Mean Held Order Interval: This metric is computed at the close of each report period. The held order interval is established by first identifying all orders, at the close of the reporting interval, that both have not been reported as completed in SOCS and have passed the currently committed due date for the order. For each such order, the number of calendar days between the earliest committed due date on which BellSouth had a company missed appointment and the close of the reporting period is established and represents the held order interval for that particular order. The held order interval is accumulated by the standard groupings, unless otherwise noted, and the reason for the order being held. The total number of days accumulated in a category is then divided by the number of held orders within the same category to produce the mean held order interval. The interval is by calendar days with no exclusions for Holidays or Sundays.

CLEC Specific reporting is by type of held order (facilities, equipment, other), total number of orders held, and the total and average days.

Held Order Distribution Interval: This measure provides data to report total days held and identifies these in categories of >15 days and > 90 days. (Orders counted in >90 days are also included in > 15 days).

Calculation

Mean Held Order Interval = a / b

- a = Sum of held-over-days for all Past Due Orders Held for the reporting period
- b = Number of Past Due Orders Held and Pending But Not Completed and past the committed due date

Held Order Distribution Interval (for each interval) = (c / d) X 100

- c = # of Orders Held for >= 15 days or # of Orders Held for >= 90 days
- d = Total # of Past Due Orders Held and Pending But Not Completed)

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Circuit Breakout < 10, >= 10 (except trunks)

Data Retained

Relating to CLEC Experience	Relating to BeilSouth Performance
 Report Month CLEC Order Number and PON (PON) Order Submission Date (TICKET_ID) Committed Due Date (DD) Service Type (CLASS_SVC_DESC) Hold Reason Total Line/circuit Count Geographic Scope 	 Report Month BellSouth Order Number Order Submission Date Committed Due Date Service Type Hold Reason Total Line/circuit Count Geographic Scope
Note: Code in parentheses is the corresponding header in the raw data file.	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	Retail ISDN
LNP (Standalone)	Retail Residence and Business (POTS)
• INP (Standalone)	Retail Residence and Business (POTS)
2W Analog Loop Design	Retail Residence and Business Dispatch
2W Analog Loop Non-Design	 Retail Residence and Business - POTS Excluding Switch Based Orders
2W Analog Loop With LNP Design	Retail Residence and Business Dispatch
2W Analog Loop With LNP Non-Design	 Retail Residence and Business - POTS Excluding Switch Based Orders
• 2W Analog Loop With INP-Design	Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	Retail Residence and Business - POTS Excluding Switch- Based Orders
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1
• UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
• UNE Loop + Port Combinations	Retail Residence and Business
UNE Switch Ports	Retail Residence and Business (POTS)
UNE Combo Other	Retail Residence, Business and Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
• UNE ISDN	Retail ISDN - BRI
UNE Line Sharing	ADSL Provided to Retail
UNE Other Design	Retail Design
UNE Other Non-Design	Retail Residence and Business
• Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice
• Local Interconnection Trunks	Parity with Retail

SEEM Measure

		SEEM Me	asure	
No	Tier I			
	Tier II		•	

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

P-2: Average Jeopardy Notice Interval & Percentage of Orders Given Jeopardy Notices

Definition

When BellSouth can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC.

The interval is from the date/time the notice is released to the CLEC/BellSouth systems until 5pm on the commitment date of the order. The Percent of Orders is the percentage of orders given jeopardy notices for facility delay in the count of orders confirmed in the report period.

Exclusions

- · Orders held for CLEC end user reasons
- Disconnect (D) & From (F) orders
- · Non-Dispatch Orders

Business Rules

When BellSouth can determine in advance that a committed due date is in jeopardy for facility delay, it will provide advance notice to the CLEC. The number of committed orders in a report period is the number of orders that have a due date in the reporting period. Jeopardy notices for interconnection trunks results are usually zero as these trunks seldom experience facility delays. The Committed due date is considered the Confirmed due date. This report measures dispatched orders only. If an order is originally sent as non-dispatch and it is determined there is a facility delay, the order is converted to a dispatch code so the facility problem can be corrected. It will remain coded dispatched until completion.

Calculation

Jeopardy Interval = a - b

- a = Date and Time of Jeopardy Notice
- b = Date and Time of Scheduled Due Date on Service Order

Average Jeopardy Interval = c / d

- c = Sum of all jeopardy intervals
- d = Number of Orders Notified of Jeopardy in Reporting Period

Percent of Orders Given Jeopardy Notice = $(e/f) \times 100$

- e = Number of Orders Given Jeopardy Notices in Reporting Period
- f = Number of Orders Confirmed (due) in Reporting Period)

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Dispatch Orders
- Mechanized Orders
- · Non-Mechanized Orders

Relating to CLEC Experience	Relating to BellSouth Performance
 Report Month CLEC Order Number and PON Date and Time Jeopardy Notice Sent Committed Due Date Service Type 	 Report Month BellSouth Order Number Date and Time Jeopardy Notice Sent Committed Due Date Service Type
Note: Code in parentheses is the corresponding header in the raw data file.	found

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
% Orders Given Jeopardy Notice	- Control of the cont
Resale Residence	Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	Retail ISDN
• LNP (Standalone)	Retail Residence and Business (POTS)
• INP (Standalone)	Retail Residence and Business (POTS)
2W Analog Loop Design	Retail Residence and Business Dispatch
2W Analog Loop Non-Design	Retail Residence and Business - (POTS Excluding
	Switch- Based Orders)
2W Analog Loop With LNP Design	Retail Residence and Business Dispatch
2W Analog Loop With LNP Non-Design	Retail Residence and Business - (POTS Excluding
	Switch- Based Orders)
• 2W Analog Loop With INP Design	Retail Residence and Business Dispatch
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business (POTS Excluding Switch-
	Based Orders)
•UNE Digital Loop < DS1	• Retail Digital Loop < DS1
•UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
•UNE Loop + Port Combinations	Retail Business and Residence
•UNE Switch Ports	Retail Residence and Business (POTS)
•UNE Combo Other	Retail Residence, Business and Design Dispatch
•UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
•UNE ISDN	Retail ISDN BRI
•UNE Line Sharing	ADSL Provided to Retail
•UNE Other Design	• Retail Design
•UNE Other Non -Design	Retail Residence and Business
•Local Transport (Unbundled Interoffice Transport)	• Retail DS1/DS3 Interoffice
•Local Interconnection Trunks	• Parity with Retail
Average Jeopardy Notice Interval	• 95% >= 48 Hours

SEEM Measure

		SEEM M	asure	
No	Tier I			
	Tier II			

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

P-3: Percent Missed Installation Appointments

Definition

"Percent missed installation appointments" monitors the reliability of BellSouth commitments with respect to committed due dates to assure that the CLEC can reliably quote expected due dates to their retail customer as compared to BellSouth. This measure is the percentage of total orders processed for which BellSouth is unable to complete the service orders on the committed due dates and reported for Total misses and End User Misses.

Exclusions

- · Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders Test Orders, etc.)
- Disconnect (D) & From (F) orders
- End User Misses on Local Interconnection Trunks

Business Rules

Percent Missed Installation Appointments (PMI) is the percentage of orders with completion dates in the reporting period that are past the original committed due date. Missed Appointments caused by end-user reasons will be included and reported separately. The first commitment date on the service order that is a missed appointment is the missed appointment code used for calculation whether it is a BellSouth missed appointment or an End User missed appointment. The "due date" is any time on the confirmed due date. Which means there cannot be a cutoff time for commitments, as certain types of orders are requested to be worked after standard business hours. Also, during Daylight Savings Time, field technicians are scheduled until 9PM in some areas and the customer is offered a greater range of intervals from which to select.

Calculation

Percent Missed Installation Appointments = (a / b) X 100

- a = Number of Orders with Completion date in Reporting Period past the Original Committed Due Date
- b = Number of Orders Completed in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Report in Categories of <10 lines/circuits >= 10 lines/circuits (except trunks)
- Dispatch/No Dispatch

Report Explanation: The difference between End User MA and Total MA is the result of BellSouth caused misses. Here, Total MA is the total percent of orders missed either by BellSouth or CLEC end user. The End User MA represents the percentage of orders missed by the CLEC or their end user.

Relating to CLEC Experience	Relating to BellSouth Performance
 Report Month CLEC Order Number and PON (PON) Committed Due Date (DD) Completion Date (CMPLTN DD) Status Type Status Notice Date Standard Order Activity Geographic Scope Note: Code in parentheses is the corresponding header four in the raw data file. 	 Report Month BellSouth Order Number Committed Due Date (DD) Completion Date (CMPLTN DD) Status Type Status Notice Date Standard Order Activity Geographic Some

SQM Disaggregation - Analog/Benchmark

SQM LEVEL of Disaggregation	SQM Analog/Benchmark
Resale Residence	Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	Retail ISDN
• LNP (Standalone)	Retail Residence and Business (POTS)
• INP (Standalone)	Retail Residence and Business (POTS)
2W Analog Loop Design	Retail Residence and Business Dispatch
2W Analog Loop Non-Design Dispatch	Retail Residence and Business - (POTS Excluding Switch-Based Orders) Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
2W Analog Loop With LNP Design	- Non-Dispatch (Dispatch in)
2W Analog Loop With LNP Non-Design	Retail Residence and Business Dispatch Retail Residence and Business - (POTS Excluding)
- William I Hou-Design	Switch-Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
2W Analog Loop With INP Design	Retail Residence and Business Dispatch
2W Analog Loop With INP Non-Design	Retail Residence and Business (POTS Excluding Switch- Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
UNE Digital Loop < DS1	• Retail Digital Loop < DS1
UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
UNE Loop + Port Combinations	Retail Residence and Business
- Dispatch Out	- Dispatch Out
- Non-Dispatch	- Non-Dispatch
- Dispatch In	- Dispatch In
- Switch-Based	- Switch-Based
UNE Switch Ports	Retail Residence and Business (POTS)
UNE Combo Other	Retail Residence, Business and Design Dispatch
- Dispatch	(Including Dispatch Out and Dispatch In)
- Non-Dispatch (Dispatch In)	- Dispatch
- Non-Dispatch (Dispatch III)	- Non-Dispatch (Dispatch In)
UNE xDSL (HDSL, ADSL and UCL) UNE ISDN	ADSL Provided to Retail
UNE Line Sharing	• Retail ISDN - BRI
UNE Other Design	ADSL Provided to Retail
	Retail Design
• UNE Other Non - Design	Retail Residence and Business
 Local Transport (Unbundled Interoffice Transport) Local Interconnection Trunks 	Retail DS1/DS3 Interoffice
Local interconnection trunks.	Parity with Retail

SEEM Measure

	SE	EM Measur	0	٦
Yes	Tier I		X	٦
	Tier II		X	٦

SEEM Disaggregation	SEEM Analog/Benchmark
Resale POTS	Retail Residence and Business (POTS)
Resale Design	Retail Design
UNE Loop + Port Combinations	Retail Residence and Business
UNE Loops	Retail Residence and Business Dispatch
• UNE xDSL	ADSL Provided to Retail
UNE Line Sharing	ADSL Provided to Retail
• Local Interconnection Trunks	Parity with Retail

P-4: Average Completion Interval (OCI) & Order Completion Interval Distribution

Definition

The "average completion interval" measure monitors the interval of time it takes BellSouth to provide service for the CLEC or its own customers. The "Order Completion Interval Distribution" provides the percentages of orders completed within certain time periods. This report measures how well BellSouth meets the interval offered to customers on service orders.

Exclusions

- · Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- Disconnect (D&F) orders (Except "D" orders associated with LNP Standalone)
- "L" Appointment coded orders (where the customer has requested a later than offered interval)

Business Rules

The actual completion interval is determined for each order processed during the reporting period. The completion interval is the elapsed time from when BellSouth issues a FOC or SOCS date time stamp receipt of an order from the CLEC to BellSouth's actual order completion date. This includes all delays for BellSouth's CLEC/End Users. The clock starts when a valid order number is assigned by SOCS and stops when the technician or system completes the order in SOCS. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33-day interval (8 hours) in order to report a portion of a day interval. These orders are issued and worked/completed on the same day. They can be either flow through orders (no field work-non-dispatched) or field orders (dispatched).

The interval breakout for UNE and Design is: 0-5 = 0-4.99, 5-10 = 5-9.99, 10-15 = 10-14.99, 15-20 = 15-19.99, 20-25 = 20-24.99, 25-30 = 25-29.99, >= 30 = 30 and greater.

Calculation

Completion Interval = (a - b)

- a = Completion Date
- b = Order Issue Date

Average Completion Interval = (c/d)

- c = Sum of all Completion Intervals
- d = Count of Orders Completed in Reporting Period

Order Completion Interval Distribution (for each interval) = (e / f) X 100

- e = Service Orders Completed in "X" days
- f = Total Service Orders Completed in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate
- Dispatch / No Dispatch categories applicable to all levels except trunks
- Residence & Business reported in day intervals = 0, 1, 2, 3, 4, 5, 5+
- UNE and Design reported in day intervals = 0-5, 5-10, 10-15, 15-20, 20-25, 25-30,>= 30
- All Levels are reported <10 line/circuits; >= 10 line/circuits (except trunks)
- ISDN Orders included in Non-Design

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month CLEC Company Name	Report Month
Order Number (PON)	BellSouth Order Number

 Completion Date (CMPLTN_DT) Service Type (CLASS_SVC_DESC) 	 Application Date & Time Order Completion Date & Time Service Type Geographic Scope
Note: Code in parentheses is the corresponding header found in the raw data file.	

SQM Level of Disaggregation	SQM Analog/Benchmark	
Resale Residence	Retail Residence	
Resale Business	Retail Business	
Resale Design	Retail Design	
Resale PBX	Retail PBX	
Resale Centrex	Retail Centrex	
Resale ISDN	Retail ISDN	
• LNP (Standalone)	Retail Residence and Business (POTS)	
• INP (Standalone)	Retail Residence and Business (POTS)	
2W Analog Loop Design	Retail Residence and Business Dispatch	
2W Analog Loop Non-Design	Retail Residence and Business - (POTS Excluding Switch-	
	Based Orders)	
- Dispatch	- Dispatch	
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)	
2W Analog Loop With LNP Design	Retail Residence and Business Dispatch	
2W Analog Loop With LNP Non-Design	Retail Residence and Business - (POTS Excluding Switch-	
	Based Orders)	
- Dispatch	- Dispatch	
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)	
• 2W Analog Loop With INP Design	Retail Residence and Business Dispatch	
• 2W Analog Loop With INP Non-Design	• Retail Residence and Business - (POTS Excluding Switch-	
	Based Orders)	
- Dispatch	- Dispatch	
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)	
• UNE Digital Loop < DS1	• Retail Digital Loop < DS1	
 UNE Digital Loop >= DS1 	• Retail Digital Loop >= DS1	
• UNE Loop + Port Combinations	Retail Residence and Business	
- Dispatch Out	- Dispatch Out	
- Non-Dispatch	- Non-Dispatch	
- Dispatch In	- Dispatch In	
- Switch-Based	- Switch-Based	
UNE Switch Ports	Retail Residence and Business (POTS)	
UNE Combo Other	Retail Residence, Business and Design Dispatch	
The state of the s	(Including Dispatch Out and Dispatch In)	
- Dispatch	- Dispatch	
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)	
UNE xDSL (HDSL, ADSL and UCL) without	• 7 Days	
conditioning		
UNE xDSL (HDSL, ADSL and UCL) with conditioning	• 14 Days	
• UNE ISDN	Retail ISDN BRI	
UNE Line Sharing	ADSL Provided to Retail	
UNE Other Design	Retail Design	
• UNE Other Non-Design	Retail Residence and Business	
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice	
Local Interconnection Trunks	Parity with Retail	

SEEM Measure

	SEI	EM Measure
Yes	Tier I	X
	Tier II	X

SEEM Disaggregation	SEEM Analog/Benchmark
Resale POTS	Retail Residence and Business (POTS)
Resale Design	Retail Design
UNE Loop + Port Combinations	Retail Residence and Business
UNE Loops	Retail Residence and Business Dispatch
UNE xDSL without conditioning	• 7 Days
UNE xDSL with conditioning	• 14 Days
UNE Line Sharing	ADSL Provided to Retail
Local Interconnection Trunks	Parity with Retail

P-5: Average Completion Notice Interval

Definitions

The Completion Notice Interval is the elapsed time between the BellSouth reported completion of work and the issuance of a valid completion notice to the CLEC.

Exclusions

- Cancelled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- D&F orders (Exception: "D" orders associated with LNP Standalone)

Business Rules

Measurement on interval of completion date and time entered by a field technician on dispatched orders, and 5PM start time on the due date for non-dispatched orders; to the release of a notice to the CLEC/BellSouth of the completion status. The field technician notifies the CLEC the work was complete and then he/she enters the completion time stamp information in his/her computer. This information switches through to the SOCS systems either completing the order or rejecting the order to the Work Management Center (WMC). If the completion is rejected, it is manually corrected and then completed by the WMC. The notice is returned on each individual order.

The start time for all orders is the completion stamp either by the field technician or the 5PM due date stamp; the end time for mechanized orders is the time stamp the notice was transmitted to the CLEC interface (LENS, EDI, OR TAG). For non-mechanized orders the end timestamp will be timestamp of order update to C-SOTS system.

Calculation

Completion Notice Interval = (a - b)

- a = Date and Time of Notice of Completion
- b = Date and Time of Work Completion

Average Completion Notice Interval = c / d

- c = Sum of all Completion Notice Intervals
- d = Number of Orders with Notice of Completion in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Mechanized Orders
- Non-Mechanized Orders
- Reporting intervals in Hours; 0, 1-2, 2-4, 4-8, 8-12, 12-24, >= 24 plus Overall Average Hour Interval (The categories are inclusive
 of these time intervals: 0-1 = 0.99; 1-2 = 1-1.99; 2-4 = 2-3.99, etc.)
- Reported in categories of <10 line/circuits; >= 10 line/circuits (except trunks)

Relating to BellSouth Performance
 Report Month BellSouth Order Number (so_nbr) Work Completion Date (cmpltn_dt) Work Completion Time Completion Notice Availability Date Completion Notice Availability Time Service Type Geographic Scope NOTE: Code in parentheses is the corresponding header

in the raw data file. found in the raw data file.

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	Retail ISDN
• LNP (Standalone)	Retail Residence and Business (POTS)
• INP (Standalone)	Retail Residence and Business (POTS)
2W Analog Loop Design	Retail Residence and Business Dispatch
2W Analog Loop Non-Design	Retail Residence and Business - (POTS Excluding Switch)
	Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
2W Analog Loop With LNP Design	Retail Residence and Business Dispatch
2W Analog Loop With LNP Non-Design	Retail Residence and Business - (POTS Excluding Switch
	Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
2W Analog Loop With INP Design	Retail Residence and Business Dispatch
2W Analog Loop With INP Non-Design	Retail Residence and Business (POTS Excluding Switch-
	Based Orders)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
UNE Digital Loop < DS1	• Retail Digital Loop < DS1
UNE Digital Loop >= DS1	• Retail Digital Loop >= DS1
UNE Loop + Port Combinations	Retail Residence and Business
- Dispatch Out	- Dispatch Out
- Non-Dispatch	- Non-Dispatch
- Dispatch In	- Dispatch In
- Switch-Based	- Switch-Based
UNE Switch Ports	Retail Residence and Business (POTS)
UNE Combo Other	Retail Residence, Business and Design Dispatch (Including
	Dispatch Out and Dispatch In)
- Dispatch	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
UNE ISDN	Retail ISDN BRI
UNE Line Sharing	ADSL Provided to Retail
UNE Other Design	Retail Design
UNE Other Non-Design	Retail Residence and Business
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice
Local I ransport (Unbundled Internffice Transport)	e Retail DC1/DC2 Internetting

SEEM Measure

SEEM Measure		pasure	
No	Tier I		
	Tier II		

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

P-6: % Completions/Attempts without Notice or < 24 hours Notice

Definition

This Report measures the interval from the FOC end timestamp on the LSR until 5:00 P.M. on the original committed due date of a service order. The purpose of this measure is to report if BellSouth is returning a FOC to the CLEC in time for the CLEC to notify their customer of the scheduled date.

Exclusions

"0" dated orders or any request where the subscriber requested an earlier due date of < 24 hours prior to the original commitment date, or any LSR received < 24 hours prior to the original commitment date.

Business Rules

For CLEC Results:

Calculation would exclude any successful or unsuccessful service delivery where the CLEC was informed at least 24 hours in advance. BellSouth may also exclude from calculation any LSRs received from the requesting CLEC with less than 24 hour notice prior to the commitment date.

For BellSouth Results:

BellSouth does not provide a FOC to its retail customers.

Calculation

Percent Completions or Attempts without Notice or with Less Than 24 Hours Notice = (a / b) X 100

- a = Completion Dispatches (Successful and Unsuccessful) With No FOC or FOC Received < 24 Hours of original Committed Due
- b = All Completions

Report Structure

- CLEC Specific
- CLEC Aggregate
- · Dispatch /Non-Dispatch
- Total Orders FOC < 24 Hours
- Total Completed Service Orders
- % FOC < 24 Hours

Relating to CLEC Experience	Relating to BellSouth Performance	
Committed Due Date (DD)FOC End Timestamp	Not Applicable	
Report Month		
CLEC Order Number and PON		
Geographic Scope State / Region		

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	Diagnostic
Resale Business	
Resale Design	
Resale PBX	
Resale Centrex	
Resale ISDN	
• LNP (Standalone)	
• INP (Standalone)	
2W Analog Loop Design	
2W Analog Loop Non-Design	
2W Analog Loop With LNP-Design	
2W Analog Loop With LNP Non-Design	
2W Analog Loop With INP-Design	
2W Analog Loop With INP Non-Design	
UNE Digital Loop < DS1	
• UNE Digital Loop >=DS1	
UNE Loop + Port Combinations	
UNE Switch ports	
UNE Combo Other	
• UNE xDSL (HDSL, ADSL and UCL)	
• UNE ISDN	
UNE Line Sharing	
UNE Other Design	
UNE Other Non -Design	
• Local Transport (Unbundled Interoffice Transport)	
Local Interconnection Trunks	

SEEM Measure

I		SEEM M	easure
I	No	Tier I	
l		Tier II	

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

P-7: Coordinated Customer Conversions Interval

Definition

This report measures the average time it takes BellSouth to disconnect an unbundled loop from the BellSouth switch and cross connect it to CLEC equipment. This measurement applies to service orders with INP and with LNP, and where the CLEC has requested BellSouth to provide a coordinated cut over.

Exclusions

- · Any order canceled by the CLEC will be excluded from this measurement
- · Delays due to CLEC following disconnection of the unbundled loop
- Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested

Business Rules

When the service order includes INP, the interval includes the total time for the cut over including the translation time to place the line back in service on the ported line. When the service order includes LNP, the interval only includes the total time for the cut over (the port of the number is controlled by the CLEC). The interval is calculated for the entire cut over time for the service order and then divided by items worked in that time to give the average per-item interval for each service order.

Calculation

Coordinated Customer Conversions Interval = (a - b)

- a = Completion Date and Time for Cross Connection of a Coordinated Unbundled Loop
- b = Disconnection Date and Time of an Coordinated Unbundled Loop

Percent Coordinated Customer Conversions (for each interval) = (c/d) X 100

- c = Total number of Coordinated Customer Conversions for each interval
- d = Total Number of Unbundled Loop with Coordinated Conversions (items) for the reporting period

Report Structure

- · CLEC Specific
- CLEC Aggregate
- The interval breakout is 0-5 = 0-4.99, 5-15 = 5-14.99, >=15 = 15 and greater, plus Overall Average Interval.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance		
Report Month CLEC Order Number	No BellSouth Analog Exists		
Committed Due Date (DD)			
Service Type (CLASS_SVC_DESC)			
Cut over Start Time			
Cut over Completion Time			
 Portability Start and Completion Times (INP orders) Total Conversions (Items) 			
Note: Code in parentheses is the corresponding header found in the raw data file.			

SQM Disaggregation - Analog/Benchmark

	SQM Level of Disaggregation	SQM Analog/Benchmark
1	Unbundled Loops with INP/LNP	• 95% <= 15 minutes
١	Unbundled Loops without INP/LNP	

SEEM Measure

	SEE	M Measu	re
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation - Analog/Benchmark

SEEM Disaggregation	SEEM Analog/Benchmark
Unbundled Loops	• 95% <= 15 minutes

3-16

P-7A: Coordinated Customer Conversions – Hot Cut Timeliness% Within Interval and Average Interval

Definition

This category measures whether BellSouth begins the cut over of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. It measures the percentage of orders where the cut begins within 15 minutes of the requested start time of the order and the average interval.

Exclusions

- · Any order canceled by the CLEC will be excluded from this measurement
- · Delays caused by the CLEC
- Unbundled Loops where there is no existing subscriber loop and loops where coordination is not requested
- · All unbundled loops on multiple loop orders after the first loop

Business Rules

This report measures whether BellSouth begins the cut over of an unbundled loop on a coordinated and/or a time specific order at the CLEC requested start time. The cut is considered on time if it starts 15 minutes before or after the requested start time. Using the scheduled time and the actual cut over start time, the measurement will calculate the percent within interval and the average interval. If a cut involves multiple lines, the cut will be considered "on time" if the first line is cut within the interval. <= 15 minutes includes intervals that began 15:00 minutes or less before the scheduled cut time and cuts that began 15 minutes or less after the scheduled cut time; >15 minutes, <= 30 minutes includes cuts within 15:00 - 30:00 minutes either prior to or after the scheduled cut time; >30 minutes includes cuts greater than 30:00 minutes either prior to or after the scheduled cut time.

Calculation

% within Interval = $(a/b) \times 100$

- a = Total Number of Coordinated Unbundled Loop Orders for the interval
- b = Total Number of Coordinated Unbundled Loop Orders for the reporting period

Interval = (c - d)

- c = Scheduled Time for Cross Connection of a Coordinated Unbundled Loop Order
- d = Actual Start Date and Time of a Coordinated Unbundled Loop Order

Average Interval = (e / f)

- · Sum of all Intervals
- Total Number of Coordinated Unbundled Loop Orders for the reporting period.

Report Structure

- · CLEC Specific
- CLEC Aggregate

Reported in intervals of early, on time and late cuts % <=15 minutes; % >15 minutes, <= 30 minutes; % > 30 minutes, plus Overall Average Interval.

Relating to CLEC Experience	Relating to BellSouth Performance	
Report Month	No BellSouth Analog exists	
CLEC Order Number (so_nbr)	No Delisouth Alialog exists	
• Committed Due Date (DD)		
Service Type (CLASS_SVC_DESC)		
Cut over Scheduled Start Time		
Cut over Actual Start Time		
Total Conversions Orders		
Note: Code in parentheses is the corresponding header found in the raw data file.		

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation SQM Analog/Benchmark	
Product Reporting Level	• 95% Within + or – 15 minutes of Scheduled Start Time
- SL1 Time Specific	
- SL1 Non-Time Specific	
- SL2 Time Specific	
- SL2 Non-Time Specific	

SEEM Measure

SEEM Measure		
Yes	Tier I	X
	Tier II	X

SEEM Disaggregation	SEEM Analog/Benchmark
UNE Loops	• 95% Within + or – 15 minutes of Scheduled Start time

P-7B: Coordinated Customer Conversions – Average Recovery Time

Definition

Measures the time between notification and resolution by BellSouth of a service outage found that can be isolated to the BellSouth side of the network. The time between notification and resolution by BellSouth must be measured to ensure that CLEC customers do not experience unjustifiable lengthy service outages during a Coordinated Customer Conversion. This report measures outages associated with Coordinated Customer Conversions prior to service order completion.

Exclusions

- · Cut overs where service outages are due to CLEC caused reasons
- · Cut overs where service outages are due to end-user caused reasons

Business Rules

Measures the outage duration time related to Coordinated Customer Conversions from the initial trouble notification until the trouble has been restored and the CLEC has been notified. The duration time is defined as the time from the initial trouble notification until the trouble has been restored and the CLEC has been notified. The interval is calculated on the total outage time for the circuits divided by the total number of outages restored during the report period to give the average outage duration.

Calculation

Recovery Time = (a - b)

- a = Date & Time That Trouble is Closed by CLEC
- b = Date & Time Initial Trouble is Opened with BellSouth

Average Recovery Time = (c/d)

- c = Sum of all the Recovery Times
- d = Number of Troubles Referred to the BellSouth

Report Structure

- CLEC Specific
- CLEC Aggregate

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance		
Report Month	- N		
CLEC Company Name	• None		
CLEC Order Number (so_nbr)			
Committed Due Date (DD)			
Service Type (CLASS_SVC_DESC)			
CLEC Acceptance Conflict (CLEC_CONFLICT)			
CLEC Conflict Resolved (CLEC_RESOLVE)			
CLEC Conflict MFC (CLEC_CONFLICT_MFC)			
Total Conversion Orders			
Note: Code in parentheses is the corresponding header found			
in the raw data file.			

SQM Level of Disaggregation	SQM Analog/Benchmark	
Unbundled Loops with INP/LNP	Diagnostic	
Unbundled Loops without INP/LNP		

SEEM Measure

		SEEM Measure	
No	Tier I		
	Tier II		

P-7C: Hot Cut Conversions - % Provisioning Troubles Received Within 7 days of a completed Service Order

Definition

Percent Provisioning Troubles received within 7 days of a completed service order associated with a Coordinated and Non-Coordinated Customer Conversion. Measures the quality and accuracy of Hot Cut Conversion Activities.

Exclusions

- · Any order canceled by the CLEC
- Troubles caused by Customer Provided Equipment

Business Rules

Measures the quality and accuracy of completed service orders associated with Coordinated and Non-Coordinated Hot Cut Conversions. The first trouble report received on a circuit ID within 7 days following a service order completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed Coordinated and Non-Coordinated Hot Cut Conversion service orders and following 7 days after the completion of the service order for a trouble report issue date.

Calculation

% Provisioning Troubles within 7 days of service order completion = $(a/b) \times 100$

- a = The sum of all Hot Cut Circuits with a trouble within 7 days following service order(s) completion
- b = The total number of Hot Cut service order circuits completed in the previous report calendar month

Report Structure

- · CLEC Specific
- CLEC Aggregate
- Dispatch/Non-Dispatch

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance	
Report Month CLEC Order Number (so_nbr)	No BellSouth Analog Exists	
• PON		
Order Submission Date (TICKET_ID)		
Order Submission Time (TICKET_ID)		
Status Type		
Status Notice Date		
Standard Order Activity		
Geographic Scope		
Total Conversion Circuits		
Note: Code in parentheses is the corresponding header found in the raw data file.		

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
UNE Loop Design	• <= 5%
UNE Loop Non-Design	
	L

SEEM Measure

		SEEM M	asure		
Yes	Tier I			X	
	Tier II			X	

SEEM Disaggregation	SEEM Analog/Benchmark
UNE Loops	• <= 5%

P-8: Cooperative Acceptance Testing - % of xDSL Loops Tested

Definition

The loop will be considered cooperatively tested when the BellSouth technician places a call to the CLEC representative to initiate cooperative testing and jointly performs the tests with the CLEC.

Exclusions

- Testing failures due to CLEC (incorrect contact number, CLEC not ready, etc.)
- xDSL lines with no request for cooperative testing

Business Rules

When a BellSouth technician finishes delivering an order for an xDSL loop where the CLEC order calls for cooperative testing at the customer's premise, the BellSouth technician is to call a toll free number to the CLEC testing center. The BellSouth technician and the CLEC representative at the center then test the line. As an example of the type of testing performed, the testing center may ask the technician to put a short on the line so that the center can run a test to see if it can identify the short.

Calculation

Cooperative Acceptance Testing - % of xDSL Loops Tested = $(a / b) \times 100$

- a = Total number of successful xDSL cooperative tests for xDSL lines where cooperative testing was requested in the reporting
- b = Total Number of xDSL line tests requested by the CLEC and scheduled in the reporting period

Report Structure

- CLEC Specific
- CLEC Aggregate
- Type of Loop tested

Data Retained

Relating to CLEC Experience Report Month	Relating to BellSouth Performance
 CLEC Company Name (OCN) CLEC Order Number (so_nbr) and PON (PON) Committed Due Date (DD) Service Type (CLASS_SVC_DESC) Acceptance Testing Completed (ACCEPT_TESTING) Acceptance Testing Declined (ACCEPT_TESTING) Total xDSL Orders 	No BellSouth Analog Exists
Note: Code in parentheses is the corresponding header found in the raw data file.	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation: UNE xDSL	SQM Analog/Benchmark:
- ADSL	• 95% of Lines Tested
- HDSL	
- UCL	
OTHER	

SEEM Measure

	SEEM	Measure
Yes	Tier I	X
	Tier II	X

OCEN DI-	
SEEM Disaggregation	SEEM Analog/Benchmark
• UNE xDSL	• 95% of Lines Tested
	9376 Of Lines Tested

P-9: % Provisioning Troubles within 30 days of Service Order Completion

Definition

Percent Provisioning Troubles within 30 days of Service Order Completion measures the quality and accuracy of Service order

Exclusions

- Canceled Service Orders
- · Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing D & F orders
- Trouble reports caused and closed out to Customer Provided Equipment (CPE)

Business Rules

Measures the quality and accuracy of completed orders. The first trouble report from a service order after completion is counted in this measure. Subsequent trouble reports are measured in Repeat Report Rate. Reports are calculated searching in the prior report period for completed service orders and following 30 days after completion of the service order for a trouble report issue date.

D & F orders are excluded as there is no subsequent activity following a disconnect.

Note: Standalone LNP historical data is not available in the maintenance systems (LMOS or WFA).

Calculation

% Provisioning Troubles within 30 days of Service Order Activity = $(a / b) \times 100$

- a = Trouble reports on all completed orders 30 days following service order(s) completion
- b = All Service Orders completed in the previous report calendar month

Report Structure

- · CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate
- Reported in categories of <10 line/circuits; >= 10 line/circuits (except trunks)
- Dispatch / No Dispatch (except trunks)

Relating to CLEC Experience Report Month	Relating to BellSouth Performance		
CLEC Order Number and PON Order Submission Date (TICKET_ID) Order Submission Time (TICKET_ID) Status Type Status Notice Date Standard Order Activity Geographic Scope	 Report Month BellSouth Order Number Order Submission Date Order Submission Time Status Type Status Notice Date Standard Order Activity 		
Note: Code in parentheses is the corresponding header found in the raw data file.	Geographic Scope		

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SOM Ancles/Pourt
Resale Residence	• Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	• Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	Retail ISDN
• 2W Analog Loop Design	
2W Analog Loop Non-Design	Retail Residence and Business Dispatch
	Retail Residence and Business - (POTS Excluding Switch Resed Orders)
- Dispatch	Dasca Olders)
- Non-Dispatch (Dispatch In)	- Dispatch
2W Analog Loop With LNP Design	- Non-Dispatch (Dispatch In)
2W Analog Loop With LNP Non-Design	Retail Residence and Business Dispatch
o of the Edit Tron-Design	Retail Residence and Business - (POTS Excluding Switch Resed Onders)
- Dispatch	Dased Orders)
- Non-Dispatch (Dispatch In)	- Dispatch
2W Analog Loop With INP Design	- Non-Dispatch (Dispatch In)
2W Analog Loop With INP Non-Design	• Retail Residence and Rusiness Dispotch
The state of the s	• Retail Residence and Business (POTS - Evoluting Service)
- Dispatch	Dased Orders)
- Non-Dispatch (Dispatch In)	- Dispatch
UNE Digital Loop < DS1	- Non-Dispatch (Dispatch In)
UNE Digital Loop >= DS1	• Retail Digital Loop < DS1
UNE xDSL (HDSL, ADSL and UCL)	• Retail Digital Loop >= DS1
UNE ISDN	ADSL provided to Retail
UNE Line Sharing	Retail ISDN BRI
INP (Standalone)	ADSL Provided to Retail
LNP (Standalone)	Retail Residence and Business (POTS)
UNE Loop + Port Combinations	Retail Residence and Business (POTS)
- Dispatch Out	Retail Residence and Business
- Non-Dispatch	- Dispatch Out
- Dispatch In	- Non-Dispatch
- Switch-Based	- Dispatch In
UNE Switch Ports	- Switch-Based
UNE Combo Other	Retail Residence and Business (POTS)
ONE Combo Other	Retail Residence, Business and Design Dispatch
- Dispatch	(Including Dispatch Out and Dispatch In)
	- Dispatch
- Non-Dispatch (Dispatch In)	- Non-Dispatch (Dispatch In)
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice
ONE Other Non-Design	Retail Residence and Business
UNE Other Design	Retail Design
Local Interconnection Trunks	Parity with Retail

SEEM Measure

	easure
er I	X
er II	X

SEEM Disaggregation	SEEM Analog/Benchmark
Resale POTS	Petail Pecidena 1D (Decidena)
Resale Design	Retail Residence and Business (POTS) Retail Design
UNE Loops + Port Combinations UNE Loops	Retail Residence and Business
	Retail Residence and Business Dispatch
UNE xDSL UNE Line Sharing	ADSL Provided to Retail
Local Interconnection Trunks	ADSL Provided to Retail
Local Interconnection Trunks	Parity with Retail

P-10: Total Service Order Cycle Time (TSOCT)

Definition

This report measures the total service order cycle time from receipt of a valid service order request to the return of a completion

Exclusions

- Canceled Service Orders
- · Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing
- D (Disconnect Except "D" orders associated with LNP Standalone.) and F (From) orders. (From is disconnect side of a move order when the customer moves to a new address)
- · "L" Appointment coded orders (where the customer has requested a later than offered interval)
- Orders with CLEC/Subscriber caused delays or CLEC/Subscriber requested due date changes

Business Rules

The interval is determined for each order processed during the reporting period. This measurement combines three reports: FOC Timeliness, Average Order Completion Interval and Average Completion Notice Interval. For UNE XDSL Loop, this measurement combines Service Inquiry Interval (SI), FOC Timeliness, Average Completion Interval, and Average Completion Notice Interval.

This interval starts with the receipt of a valid service order request and stops when a completion notice is sent to the CLEC Interface (LENS, TAG OR EDI) and the BellSouth Legacy Systems. Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33 day interval (8 hours) in order to report a portion of a day interval. These orders are issued and worked/completed on same day. They can be either flow through orders (no field work-non-dispatched) or field orders (dispatched).

Reporting is by Fully Mechanized, Partially Mechanized and Non-Mechanized receipt of LSRs.

Calculation

Total Service Order Cycle Time = (a - b)

- a = Service Order Completion Notice Date
- b = Service Request Receipt Date

Average Total Service Order Cycle Time = (c / d)

- c = Sum of all Total Service Order Cycle Times
- d = Total Number Service Orders Completed in Reporting Period

Total Service Order Cycle Time Interval Distribution (for each interval) = (e / f) X 100

- e = Total Number of Service Requests Completed in "X" minutes/hours
- f = Total Number of Service Requests Received in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Fully Mechanized; Partially Mechanized; Non-Mechanized
- Report in categories of <10 line/circuits; >= 10 line/circuits (except trunks)
- Dispatch / No Dispatch categories applicable to all levels except trunks
- 14.99, 15-20 = 15-19.99, 20-25 = 20-24.99, 25-30 = 25-29.99, >= 30 = 30 and greater.

Data Retained

Relating to CLEC Experience	
Report Month	Relating to BellSouth Performance
• Interval for FOC	
	BellSouth Order Number
• Interval for FOC	Report MonthBellSouth Order Number

Version 0.05 RGN-005-122101

3-28

Issue Date: December 21, 2001

- CLEC Company Name (OCN)
- Order Number (PON)
- Submission Date & Time (TICKET_ID)
- Completion Date (CMPLTN_DT)
- · Completion Notice Date and Time
- Service Type (CLASS_SVC_DESC)
- Geographic Scope

Note: Code in parentheses is the corresponding header found in the raw data file

- Order Submission Date & Time
- Order Completion Date & Time
- Service Type
- Geographic Scope

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	
Resale Residence	SQM Analog/Benchmark
Resale Business	• Diagnostic
Resale Design	
Resale PBX	
Resale Centrex	
Resale ISDN	
LNP (Standalone)	
INP (Standalone)	
2W Analog Loop Design	
2W Analog Loop Non-Design	
2W Analog Loop With LNP Design	
2W Analog Loop With LNP Design	
2W Analog Loop With LNP Non-Design UNE Switch Ports	
INE I con the Port Control	
UNE Loop + Port Combinations	
UNE Combo Other	
UNE xDSL (HDSL, ADSL and UCL)	
UNE ISDN	
UNE Line Sharing	
UNE Other Design	
UNE Other Non -Design	
UNE Digital Loops < DS1	
UNE Digital Loops >= DS1	
Local Transport (Unbundled Interoffice Transport)	
Local Interconnection Trunks	

SEEM Measure

			SEEM M	Basure
ı	No	Tier I	1.5	
1		Tier II		

CEEL DI	
SEEM Disaggregation Not Applicable	SEEM Analog/Benchmark
Not Applicable	Not Applicable

P-11: Service Order Accuracy

Definition

The "service order accuracy" measurement measures the accuracy and completeness of a sample of BellSouth service orders by comparing what was ordered and what was completed.

Exclusions

- · Cancelled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.)
- · D & F orders

Business Rules

A statistically valid sample of service orders, completed during a monthly reporting period, is compared to the original account profile and the order that the CLEC sent to BellSouth. An order is "completed without error" if all service attributes and account detail changes (as determined by comparing the original order) completely and accurately reflect the activity specified on the original order and any supplemental CLEC order. For both small and large sample sizes, when a Service Request cannot be matched with a corresponding Service Order, it will not be counted. For small sample sizes an effort will be made to replace the service request.

Calculation

Percent Service Order Accuracy = (a / b) X 100

- a = Orders Completed without Error
- b = Orders Completed in Reporting Period

Report Structure

- CLEC Aggregate
- Reported in categories of <10 line/circuits; >= 10 line/circuits
- Dispatch / No Dispatch

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance	
Report Month CLEC Order Number and PON	No BellSouth Analog Exist	
Local Service Request (LSR)		
Order Submission Date		
Committed Due Date		
Service Type		
Standard Order Activity		

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	• 95% Accurate
Resale Business	>0701200utato
Resale Design (Specials)	
UNE Specials (Design)	
UNE (Non-Design)	
Local Interconnection Trunks	

SEEM Measure

		SEEM Me	asure
No	Tier I		
L	Tier II		

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	SEEM Analog/Benchmark
	Not Applicable

P-12: LNP-Percent Missed Installation Appointments

Definition

"Percent missed installation appointments" monitors the reliability of BellSouth commitments with respect to committed due dates to assure that CLECs can reliably quote expected due dates to their retail customer as compared to BellSouth. This measure is the percentage of total orders processed for which BellSouth is unable to complete the service orders on the committed due dates and reported for total misses and End User Misses.

Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) where identifiable

Business Rules

Percent Missed Installation Appointments (PMI) is the percentage of total orders processed for which BellSouth is unable to complete the service orders on the committed due dates. Missed Appointments caused by end-user reasons will be included and reported in a separate category. The first commitment date on the service order that is a missed appointment is the missed appointment code used for calculation whether it is a BellSouth missed appointment or an End User missed appointment. The "due date" is any time on the confirmed due date, which means there cannot be a cutoff time for commitments as certain types of orders are requested to be worked

Calculation

LNP Percent Missed Installation Appointments = (a / b) X 100

- a = Number of Orders with Completion date in Reporting Period past the Original Committed Due Date
- b = Number of Orders Completed in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- Geographic Scope
 - State/Region
- Report in Categories of <10 lines/circuits >= 10 lines/circuits (except trunks)

Report explanation: Total Missed Appointments is the total percent of orders missed either by BellSouth or the CLEC end user. End User MA represents the percentage of orders missed by the CLEC end user. The difference between End User Missed Appointments and Total Missed Appointments is the result of BellSouth caused misses.

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance	
 Report Month CLEC Order Number and PON (PON) Committed Due Date (DD) Completion Date (CMPLTN DD) Status Type 	Not Applicable	
 Status Notice Date Standard Order Activity Geographic Scope 		
Note: Code in parentheses is the corresponding header found in the raw data file.		

SQM Level of Disaggregation • LNP	• Retail Residence and Business (POTS)
	Dusiness (1013)

SEEM Measure

		SEEM Measure	_
Yes	Tier I	X	
	Tier II	X	_

SEEM Disaggregation	SEEM Analog/Benchmark
• LNP	95% Due Dates Met ^a

^aDue to data structure issues, BellSouth is using a benchmark comparison for SEEM rather than the Truncated Z as stated in the Order.

P-13: LNP-Average Disconnect Timeliness Interval & Disconnect Timeliness Interval Distribution

Definition

Disconnect Timeliness is defined as the interval between the time ESI Number Manager receives the valid 'Number Ported' message from NPAC (signifying the CLEC 'Activate') until the time the Disconnect is completed in the Central Office switch. This interval effectively measures BellSouth responsiveness by isolating it from impacts that are caused by CLEC related activities.

Exclusions

- · Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) where identifiable.

Business Rules

The Disconnect Timeliness interval is determined for each telephone number ported associated with a disconnect service order processed on an LSR during the reporting period. The Disconnect Timeliness interval is the elapsed time from when BellSouth receives a valid 'Number Ported' message in ESI Number Manager (signifying the CLEC 'Activate') for each telephone number ported until each telephone number on the service order is disconnected in the Central Office switch. Elapsed time for each ported telephone number is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the total number of selected telephone numbers disconnected in the reporting period.

Calculation

Disconnect Timeliness Interval = (a - b)

- a = Completion Date and Time in Central Office switch for each number on disconnect order
- b = Valid 'Number Ported' message received date & time

Average Disconnect Timeliness Interval = (c / d)

- c = Sum of all Disconnect Timeliness Intervals
- d = Total Number of disconnected numbers completed in reporting period

Disconnect Timeliness Interval Distribution (for each interval) = (e / f) X 100

- e = Disconnected numbers completed in "X" days
- f = Total disconnect numbers completed in reporting period

Report Structure

- CLEC Specific
- CLEC Aggregate
- Geographic Scope
 - State, Region

Data Retained

Relating to CLEC Experience	Relating to BellSout	Relating to BellSouth Performance		
Order Number Telephone Number/Circuit Number Committed Due Date	Not Applicable			
 Receipt Date/Time (ESI Number Manager) Date/Time of Recent Change Notice 				

COM Level of Div.	
SQM Level of Disaggregation	SQM Analog/Benchmark
• LNP	• 95% <= 15 Minutes
	2070 13 Williams

SEEM Measure

		SEEM Measu	re
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation	
A I NID Store delan-	SEEM Analog/Benchmark
- Livi Standarone	• 95% <= 15 Minutes

P-14: LNP-Total Service Order Cycle Time (TSOCT)

Definition

Total Service Order Cycle Time measures the interval from receipt of a valid service order request to the completion of the final service order associated with that service request.

Exclusions

- Canceled Service Orders
- Order Activities of BellSouth or the CLEC associated with internal or administrative use of local services (Record Orders, Listing Orders, Test Orders, etc.) where identifiable
- "L" appointment coded orders (indicating the customer has requested a later than offered interval)
- "S" missed appointment coded orders (indicating subscriber missed appointments), except for "SP" codes (indicating subscriber prior due date requested). This would include "S" codes assigned to subsequent due date changes.

Business Rules

The interval is determined for each order processed during the reporting period. This measurement combines three reports: FOC Timeliness, Average Order Completion Interval and Average Completion Notice Interval.

This interval starts with the receipt of a valid service order request and stops when a completion notice is sent to the CLEC Interface (LENS, TAG OR EDI). Elapsed time for each order is accumulated for each reporting dimension. The accumulated time for each reporting dimension is then divided by the associated total number of orders completed. Orders that are worked on zero due dates are calculated with a .33 day interval (8 hours) in order to report a portion of a day interval. These orders are issued and

Reporting is by Fully Mechanized, Partially Mechanized and Non-Mechanized receipt of LSRs.

Calculation

Total Service Order Cycle Time = (a - b)

- a = Service Order Completion Notice Date
- b = Service Request Receipt Date

Average Total Service Order Cycle Time = (c/d)

- c = Sum of all Total Service Order Cycle Times
- d = Total Number Service Orders Completed in Reporting Period

Total Service Order Cycle Time Interval Distribution (for each interval) = (e / f) X 100

- e = Total Number of Service Orders Completed in "X" minutes/hours
- f = Total Number of Service Orders Received in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- Fully Mechanized; Partially Mechanized; Non-Mechanized
- Report in categories of < 10 lines/circuits; >= lines/circuits (except trunks)
- Intervals 0-5, 5-10, 10-15, 15-20, 20-25, 25-30, >= 30 Days. The interval breakout is: 0-5 = 0-4.99, 5-10 = 5-9.99, 10-15 = 10-14.99, 15-20 = 15-19.99, 20-25 = 20-24.99, 25-30 = 25-29.99, >= 30 = 30 and greater.

Relating to CLEC Experience Report Month	Relating to BellSouth Performance
• Interval for FOC	Not Applicable
CLEC Company Name (OCN) Order Number (PON)	
• Submission Date & Time (TICKET ID)	
 Completion Date (CMPLTN_DT) Completion Notice Date and Time 	

Region Performance Metrics

Provisioning

Service Type (CLASS_SVC_DESC)Geographic Scope

Note: Code in parentheses is the corresponding header found in the raw data file

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	etion		
• LNP		SQM Analog/Benchmark	
	Diagnostic		
CEEN Manager			

SEEM Measure

		SEEM Measure	
No	Tier I		
	Tier II		

SEEM Disaggregation Not Applicable	SEEM Analog/Benchmark Not Applicable

Section 4: Section 4: Maintenance & Repair

M&R-1: Missed Repair Appointments

Definition

The percent of trouble reports not cleared by the committed date and time.

Exclusions

- Trouble tickets canceled at the CLEC request
- · BellSouth trouble reports associated with internal or administrative service
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble

Business Rules

The negotiated commitment date and time is established when the repair report is received. The cleared time is the date and time that BellSouth personnel clear the trouble and closes the trouble report in his/her Computer Access Terminal (CAT) or workstation. If this is after the Commitment time, the report is flagged as a "Missed Commitment" or a missed repair appointment. When the data for this measure is collected for BellSouth and a CLEC, it can be used to compare the percentage of the time repair appointments are missed due to BellSouth reasons. (No access reports are not part of this measure because they are not a missed appointment.)

Note: Appointment intervals vary with force availability in the POTS environment. Specials and Trunk intervals are standard interval appointments of no greater than 24 hours. Standalone LNP historical data is not available in the maintenance systems (LMOS or

Calculation

Percentage of Missed Repair Appointments = $(a / b) \times 100$

- a = Count of Customer Troubles Not Cleared by the Quoted Commitment Date and Time
- b = Total Trouble reports closed in Reporting Period

Report Structure

- · Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate

Relating to CLEC Experience • Report Month	Relating to BellSouth Performance
 CLEC Company Name Submission Date & Time (TICKET_ID) Completion Date (CMPLTN_DT) Service Type (CLASS_SVC_DESC) Disposition and Cause (CAUSE_CD & CAUSE_DESC) Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file. 	 Report Month BellSouth Company Code Submission Date & Time Completion Date Service Type Disposition and Cause (Non-Design /Non-Special Only

SQM Level of Disaggregation Resale Residence	SQM Analog/Benchmark
Resale Business	Retail Residence
Resale Design	Retail business
Resale PBX	Retail Design
• Resale Centrex	•
Resale ISDN	Retail Centrex
	Retail ISDN
LNP (Standalone) (Not Available in Maintenance)	Not Applicable
2W Analog Loop Design	Retail Residence & Business Dispatch
2W Analog Loop Non - Design	Retail Residence & Business (POTS) (Exclusion of
Thirt	Switch-Based Feature Troubles)
UNE Loop + Port Combinations	Retail Residence & Business
UNE Switch Ports	Retail Residence & Business (POTS)
UNE Combo Other	Retail Residence, Business and Design Dispatch ADGE Part
UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
UNE ISDN	Retail ISDN – BRI
UNE Line Sharing	ADSL Provided to Retail
UNE Other Design	Retail Design
UNE Other Non - Design	Retail Residence & Business
Local Interconnection Trunks	Parity with Retail
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice

SEEM Measure

		SEEM Measure)
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation Resale POTS	SEEM Analog/Benchmark
Resale Design	Retail Residence and Business (POTS)
INE Local Park Control	• Retail Design
UNE Loops + Port Combinations UNE Loops	Retail Residence and Business
UNE xDSL	Retail Residence and Business Dispatch
	ADSL Provided to Retail
UNE Line Sharing	ADSL Provided to Retail
Local Interconnection Trunks	Parity with Retail

M&R-2: Customer Trouble Report Rate

Definition

Percent of initial and repeated customer direct or referred troubles reported within a calendar month per 100 lines/circuits in service.

Exclusions

- Trouble tickets canceled at the CLEC request
- · BellSouth trouble reports associated with internal or administrative service
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble

Business Rules

Customer Trouble Report Rate is computed by accumulating the number of maintenance initial and repeated trouble reports during the reporting period. The resulting number of trouble reports are divided by the total "number of service" lines, ports or combination that exist for the CLECs and BellSouth respectively at the end of the report month.

Calculation

Customer Trouble Report Rate = (a / b) X 100

- a = Count of Initial and Repeated Trouble Reports closed in the Current Period
- b = Number of Service Access Lines in service at End of the Report Period

Report Structure

- Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate

Report Month	Relating to BellSouth Performance
 CLEC Company Name Ticket Submission Date & Time (TICKET_ID) Ticket Completion Date (CMPLTN_DT) Service Type (CLASS_SVC_DESC) Disposition and Cause (CAUSE_CD & CAUSE_DESC) # Service Access Lines in Service at the end of period Geographic Scope 	 Report Month BellSouth Company Code Ticket Submission Date & Time Ticket Completion Date Service Type Disposition and Cause (Non-Design /Non-Special Only) Trouble Code (Design and Trunking Services)
Note: Code in parentheses is the corresponding header found in the raw data file.	Geographic Scope

SQM Level of Disaggregation Resale Residence	SQM Analog/Benchmark	
	Retail Residence	
· Resale Business	Retail Business	
Resale Design	Retail Design	
· Resale PBX	• Retail PBX	
Resale Centrex	Retail Centrex	
Resale ISDN	• Retail ISDN	
LNP (Standalone) (Not Available in Maintenance)	Not Applicable	
2W Analog Loop Design	A Petail Pecidence 8 72 /	
2W Analog Loop Non - Design	Retail Residence & Business Dispatch	
and the second s	• Retail Residence & Business (POTS) (Exclusion of	
UNE Loop + Port Combinations	Switch-Based Feature Troubles)	
UNE Switch Ports	Retail Residence & Business	
UNE Combo Other	Retail Residence & Business (POTS)	
	Retail Residence, Business and Design Dispatch	
UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail	
UNE ISDN	Retail ISDN – BRI	
UNE Line Sharing	ADSL Provided to Retail	
UNE Other Design	Retail Design	
UNE Other Non - Design	Retail Residence & Business	
Local Interconnection Trunks	Parity with Retail	
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice	

SEEM Measure

		SEEM Measure	
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation	SEEM Analog/Benchmark
Resale POTS	Retail Residence and Business (POTS)
Resale Design	Retail Design
UNE Loop + Port Combinations	Retail Residence and Business
UNE Loops	Retail Residence and Business Dispatch
UNE xDSL	ADSL Provided to Retail
UNE Line Sharing	ADSL Provided to Retail
Local Interconnection Trunks	Parity with Retail

M&R-3: Maintenance Average Duration

Definition

The Average duration of Customer Trouble Reports from the receipt of the Customer Trouble Report to the time the trouble report is cleared.

Exclusions

- Trouble tickets canceled at the CLEC request
- BellSouth trouble reports associated with internal or administrative service
- Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble

Business Rules

For Average Duration the clock starts on the date and time of the receipt of a correct repair request. The clock stops on the date and time the service is restored and the BellSouth or CLEC customer is notified (when the technician completes the trouble ticket on his/her CAT or work systems).

Calculation

Maintenance Duration = (a - b)

- a = Date and Time of Service Restoration
- b = Date and Time Trouble Ticket was Opened

Average Maintenance Duration = (c/d)

- c = Total of all maintenance durations in the reporting period
- d = Total Closed Troubles in the reporting period

Report Structure

- · Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate

Relating to CLEC Experience	Relating to Relice th Bod
Report Month	Relating to BellSouth Performance
Total Tickets (LINE_NBR)	Report Month
CLEC Company Name	Total Tickets
Ticket Submission Date & Time (TICKET_ID)	BellSouth Company Code
Ticket Completion Date (CMPLTN_DT)	Ticket Submission Date
• Service Type (CLASS_SVC_DESC)	Ticket Submission Time
Disposition and Cause (CAUSE_CD & CAUSE_DESC)	Ticket Completion Date
• Geographic Scope	Ticket Completion Time
	Total David me
Note: Code in parentheses is the corresponding header foun in the raw data file.	Service Type
	• Disposition and Cause (Non-Design /Non-Special Only
	Trouble Code (Design and Trunking Services)
	Geographic Scope

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	• Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	Retail ISDN
LNP (Standalone) (Not Available in Maintenance)	Not Applicable
2W Analog Loop Design	Retail Residence & Business Dispatch
2W Analog Loop Non - Design	• Retail Residence & Business (POTS) (Exclusion of
	Switch-Based Feature Troubles)
UNE Loop + Port Combinations	Retail Residence & Business
UNE Switch Ports	Retail Residence & Business (POTS)
UNE Combo Other	Retail Residence, Business and Design Dispatch
UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
UNE ISDN	Retail ISDN – BRI
UNE Line Sharing	ADSL Provided to Retail
UNE Other Design	• Retail Design
UNE Other Non - Design	Retail Residence & Business
Local Interconnection Trunks	• Parity with Retail
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice

SEEM Measure

	SEEM M	easure
Yes	Tier I	X
	Tier II	X

SEEM Disaggregation	SEEM Analog/Benchmark	
Resale POTS	Retail Residence and Business (POTS)	
Resale Design	• Retail Design	
 UNE Loop + Port Combinations 	Retail Residence and Business	
• UNE Loops	Retail Residence and Business Dispatch	
• UNE xDSL	ADSL Provided to Retail	
UNE Line Sharing	ADSL Provided to Retail	
· Local Interconnection Trunks	Parity with Retail	

M&R-4: Percent Repeat Troubles within 30 Days

Definition

Closed trouble reports on the same line/circuit as a previous trouble report received within 30 calendar days as a percent of total troubles closed reported

Exclusions

- · Trouble tickets canceled at the CLEC request
- · BellSouth trouble reports associated with internal or administrative service
- · Customer Provided Equipment (CPE) troubles or CLEC Equipment Trouble

Business Rules

Includes Customer trouble reports received within 30 days of an original Customer trouble report.

Calculation

Percent Repeat Troubles within 30 Days = $(a/b) \times 100$

- a = Count of closed Customer Troubles where more than one trouble report was logged for the same service line within a continuous 30 days
- b = Total Trouble Reports Closed in Reporting Period

Report Structure

- · Dispatch/Non-Dispatch
- CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate

Relating to CLEC Experience	Relating to BellSouth Performance
 Report Month Total Tickets (LINE_NBR) CLEC Company Name Ticket Submission Date & Time (TICKET_ID) Ticket Completion Date (CMPLTN_DT) Total and Percent Repeat Trouble Reports within 30 Days (TOT_REPEAT) Service Type Disposition and Cause (CAUSE_CD & CAUSE_DESC) Geographic Scope Note: Code in parentheses is the corresponding header found in the raw data file. 	 Report Month Total Tickets BellSouth Company Code Ticket Submission Date Ticket Submission Time Ticket Completion Date Ticket Completion Time Total and Percent Repeat Trouble Reports within 30 Days Service Type

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	Retail Residence
Resale Business	Retail Business
Resale Design	Retail Design
Resale PBX	• Retail PBX
Resale Centrex	• Retail Centrex
Resale ISDN	Retail ICDN
 LNP (Standalone) (Not Available in Maintenance) 	Not Applicable
 2W Analog Loop Design 	Retail Residence & Business Dispatch
2W Analog Loop Non - Design	Retail Residence & Business (POTS) (Exclusion of Switch-Based Feature Troubles)
• UNE Loop + Port Combinations	Retail Residence & Business
UNE Switch Ports	Retail Residence and Business (POTS)
UNE Combo Other	Retail Residence, Business & Design Dispatch
• UNE xDSL (HDSL, ADSL and UCL)	ADSL Provided to Retail
UNE ISDN	Retail ISDN – BRI
UNE Line Sharing	ADSL Provided to Retail
UNE Other Design	• Retail Design
UNE Other Non - Design	Retail Residence & Business
Local Interconnection Trunks	• Parity with Retail
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice

SEEM Measure

	SEEM	Measure
Yes	Tier I	X
	Tier II	X

SEEM Disaggregation	SEEM Analog/Benchmark
Resale POTS	Retail Residence and Business (POTS)
Resale Design	Retail Design
UNE Loop + Port Combinations	Retail Residence and Business
UNE Loops	Retail Residence and Business Dispatch
UNE xDSL	ADSL Provided to Retail
UNE Line Sharing	ADSL Provided to Retail
Local Interconnection Trunks	Parity with Retail

M&R-5: Out of Service (OOS) > 24 Hours

Definition

For Out of Service Troubles (no dial tone, cannot be called or cannot call out) the percentage of Total OOS Troubles cleared in excess of 24 hours. (All design services are considered to be out of service).

Exclusions

- Trouble Reports canceled at the CLEC request
- BellSouth Trouble Reports associated with administrative service
- Customer Provided Equipment (CPE) Troubles or CLEC Equipment Troubles

Business Rules

Customer Trouble reports that are out of service and cleared in excess of 24 hours. The clock begins when the trouble report is created in LMOS/WFA and the trouble is counted if the elapsed time exceeds 24 hours.

Calculation

Out of Service (OOS) > 24 hours = $(a/b) \times 100$

- a = Total Cleared Troubles OOS > 24 Hours
- b = Total OOS Troubles in Reporting Period

Report Structure

- · Dispatch/Non Dispatch
- CLEC Specific
- · BellSouth Aggregate
- CLEC Aggregate

Relating to CLEC Experience	Palating to PallOcate P
Report Month	Relating to BellSouth Performance
Total Tickets	Report Month
CLEC Company Name	• Total Tickets
Ticket Submission Date & Time (TICKET ID)	BellSouth Company Code
* 11cket Completion Date (CMPLTN DT	Ticket Submission Date
• Percentage of Customer Troubles out of	Ticket Submission time
• Service > 24 Hours (OOS>24 FLAG)	Ticket Completion Date
Service type (CLASS SVC DESC)	Ticket Completion Time
 Disposition and Cause (CAUSE CD & CAUSE-DESC) 	• Percent of Customer Troubles out of Service > 24 Hours
Geographic Scope	• Service type
Note: Code in parentheses is the corresponding header found	Disposition and Cause (Non-Design/Non-Special only)
in the raw data file.	1 rouble Code (Design and Trunking Services)
swit men IIIê.	Geographic Scope

SQM Level of Disaggregation	SQM Analog/Benchmark
Resale Residence	Retail Residence
· Resale Business	Retail Business
Resale Design	Retail Design
• Resale PBX	• Retail PBX
Resale Centrex	Retail Centrex
Resale ISDN	• Retail ISDN
LNP (Standalone) (Not Available in Maintenance)	Not Applicable
2W Analog Loop Design	Retail Residence & Business Dispatch
2W Analog Loop Non - Design	Retail Residence & Dusiness Dispatch
	 Retail Residence & Business (POTS) (Exclusion of Switch-Based Feature Troubles)
UNE Loop + Port Combinations	Retail Residence & Business
UNE Switch Ports	Petail Peridence & Business
UNE Combo Other	Retail Residence & Business (POTS)
UNE xDSL (HDSL, ADSL and UCL)	Retail Residence, Business and Design Dispatch ADSI B
UNE ISDN	ADSL Provided to Retail
UNE Line Sharing	• Retail ISDN – BRI
UNE Other Design	ADSL Provided to Retail
UNE Other Non - Design	Retail Design
Local Interconnection Trunks	Retail Residence & Business
Local Transport (Unbundled Letter Co.	Parity with Retail
Local Transport (Unbundled Interoffice Transport)	Retail DS1/DS3 Interoffice

SEEM Measure

		SEEM	Me	asure
No	Tier I			
	Tier II			

SEEM Disaggregation • Not Applicable		SEEM Analog/Bench	mark
	Not Applica	ble	

M&R-6: Average Answer Time - Repair Centers

Definition

This measures the average time a customer is in queue when calling a BellSouth Repair Center.

Exclusions

None

Business Rules

The clock starts when a CLEC Representative or BellSouth customer makes a choice on the Repair Center's menu and is put in queue for the next repair attendant. The clock stops when the repair attendant answers the call (abandoned calls are not included).

Note: The Total Column is a combined BellSouth Residence and Business number.

Calculation

Answer Time for BellSouth Repair Centers = (a - b)

- a = Time BellSouth Repair Attendant Answers Call
- b = Time of entry into queue after ACD Selection

Average Answer Time for BellSouth Repair Centers = (c/d)

- c = Sum of all Answer Times
- d = Total number of calls by reporting period

Report Structure

- CLEC Aggregate
- · BellSouth Aggregate

Data Retained

D.L.O O	
Relating to CLEC Experience	Relating to BellSouth Performance
CLEC Average Answer Time	BellSouth Average Answer Time
COMPI	The state of the s

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	
La Donina OFFICIA is a	SQM Analog/Benchmark
• Region. CLEC/BellSouth Service Centers and BellSouth	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
Repair Centers are regional.	BRMC are comparable to the Average Answer Times in
	the BellSouth Repair Centers.

SEEM Measure

	SEEM Measur	9
No	Tier I	
	Tier II	

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	Not Applicable

M&R-7: Mean Time To Notify CLEC of Network Outages

Definition

This report measures the time it takes for the BellSouth Network Management Center (NMC) to notify the CLEC of major network outages.

Exclusions

None

Business Rules

BellSouth will inform the CLEC of any major network outages (key customer accounts) via a page or email. When the BellSouth NMC becomes aware of a network incident, the CLEC and BellSouth will be notified electronically. The notification time for each outage will be measured in minutes and divided by the number of outages for the reporting period. These are broadcast messages. It is up to those receiving the message to determine if they have customers affected by the incident.

The CLECs will be notified in accordance with the rules outlined in Appendix D of the CLEC "Customer Guide" which is published on the internet at: www.interconnection.bellsouth.com/guides/other_guides/other_guides/html/gopue/indexf.htm.

Calculation

Time to Notify CLEC = (a - b)

- a = Date and Time BellSouth Notified CLEC
- b = Date and Time BellSouth Detected Network Incident

Mean Time to Notify CLEC = (c/d)

- c = Sum of all Times to Notify CLEC
- d = Count of Network Incidents

Report Structure

- BellSouth Aggregate
- CLEC Aggregate
- · CLEC Specific

Data Retained

Relating to BellSouth Performance
Report Month
Major Network Events
 Date/Time of Incident Date/Time of Notification

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	SQM Analog/Benchmark
BellSouth Aggregate CLEC Aggregate	Parity by Design
CLEC Specific	

SEEM Measure

		SEEM	Measure	
No	Tier I			
	Tier II			

SEEM Disaggregation	SEEM Analog/Benchmark
Not Applicable	
That I ppiloaole	Not Applicable

Section 5: Billing

B-1: Invoice Accuracy

Definition

This measure provides the percentage of accuracy of the billing invoices rendered to CLECs during the current month.

Exclusions

- · Adjustments not related to billing errors (e.g., credits for service outage, special promotion credits, adjustments to satisfy the customer)
- · Test Accounts

Business Rules

The accuracy of billing invoices delivered by BellSouth to the CLEC must enable them to provide a degree of billing accuracy comparative to BellSouth bills rendered to retail customers of BellSouth. CLECs request adjustments on bills determined to be incorrect. The BellSouth Billing verification process includes manually analyzing a sample of local bills from each bill period. The bill verification process draws from a mix of different customer billing options and types of service. An end-to-end auditing process is performed for new products and services. Internal measurements and controls are maintained on all billing processes.

Calculation

Invoice Accuracy = $[(a - b) / a] \times 100$

- a = Absolute Value of Total Billed Revenues during current month
- b = Absolute Value of Billing Related Adjustments during current month

Report Structure

- CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate
- Geographic Scope
- Region
- State

Data Retained

Relating to CLEC Experience	Relating to BellSouth Performance
Report Month Invoice Type	Report Month Retail Type
- UNE - Resale	- CRIS
- Interconnection	- CABS - Total Billed Revenue
Total Billed Revenue Billing Related Adjustments	Billing Related Adjustments

• Product/Invoice Type • Resale • UNE	• CLEC Invoice Accuracy is comparable to BellSouth Invoice Accuracy
- Interconnection	

SEEM Measure

	S	EEM Measure	
Yes	Tier I		X
	Tier II		X

SEEM Disaggregation	SEEM A I. Co.
• CLEC State	SEEM Analog/Benchmark • Parity With Retail
BellSouth State	1 arity With Ketali

B2: Mean Time to Deliver Invoices

Definition

Bill Distribution is calculated as follows: CRIS BILLS-The number of workdays is reported for CRIS bills. This is calculated by counting the Bill Period date as the first work day. Weekends and holidays are excluded when counting workdays. J/N Bills are counted in the CRIS work day category for the purposes of the measurement since their billing account number (Q account) is provided from the CRIS system.

CABS BILLS-The number of calendar days is reported for CABS bills. This is calculated by counting the day following the Bill Period date as the first calendar day. Weekends and holidays are included when counting the calendar days.

Exclusions

Any invoices rejected due to formatting or content errors.

Business Rules

This report measures the mean interval for timeliness of billing records delivered to CLECs in an agreed upon format. CRIS-based invoices are measured in business days, and CABS-based invoices in calendar days.

Calculation

Invoice Timeliness = (a - b)

- a = Invoice Transmission Date
- b = Close Date of Scheduled Bill Cycle

Mean Time To Deliver Invoices = (c / d)

- c = Sum of all Invoice Timeliness intervals
- d = Count of Invoices Transmitted in Reporting Period

Report Structure

- CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Geographic Scope
- Region
- State

Data Retained

Relating to BellSouth Performance
 Report Month Invoice Type CRIS CABS Invoice Transmission Count Date of Scheduled Bill Close

SQM Level of Disaggregation Product/Invoice Type	SQM Analog/Benchmark
• Resale • UNE • Interconnection	 CRIS-based invoices will be released for delivery within six (6) business days. CABS-based invoices will be released for delivery with eight (8) calendar days. CLEC Average Delivery Intervals for both CRIS and CABS Invoices are comparable to BellSouth Average delivery for both systems.

SEEM Measure

ļ	S	EEM N	leasu	re		
Yes Tie	er I				X	
Tie	er II		1		X	

SEEM Disaggregation CLEC State	SEEM Analog/Benchmark
- CRIS	Parity with Retail
- CABS	
BellSouth Region	

B3: Usage Data Delivery Accuracy

Definition

This measurement captures the percentage of recorded usage that is delivered error free and in an acceptable format to the appropriate Competitive Local Exchange Carrier (CLEC). These percentages will provide the necessary data for use as a comparative measurement for BellSouth performance. This measurement captures Data Delivery Accuracy rather than the accuracy of the

Exclusions

None

Business Rules

The accuracy of the data delivery of usage records delivered by BellSouth to the CLEC must enable them to provide a degree of accuracy comparative to BellSouth bills rendered to their retail customers. If errors are detected in the delivery process, they are investigated, evaluated and documented. Errors are corrected and the data retransmitted to the CLEC.

Calculation

Usage Data Delivery Accuracy = (a - b) / a X 100

- a = Total number of usage data packs sent during current month
- b = Total number of usage data packs requiring retransmission during current month

Report Structure

- · CLEC Specific
- CLEC Aggregate
- BellSouth Aggregate
- Geographic Scope
 - Region

Data Retained

Relating to CLEC Experience Report Month Record Type - BellSouth Recorded	Relating to BellSouth Performance Report Month Record Type
- Non-BellSouth Recorded	

SQM Disaggregation - Analog/Benchmark

SOM Level of Discours	
SQM Level of Disaggregation • Region	SQM Analog/Benchmark
	* CLEC Usage Data Delivery Accuracy is compared to
	BellSouth Usage Data Delivery Accuracy
SEEM Measure	

	SEEM N	1easure
Yes	Tier I	X
	Tier II	X
L	THEF II	<u> </u>

SEEM Disaggregation • CLEC State • BellSouth Region	SEEM Analog/Benchmark Parity With Retail

B4: Usage Data Delivery Completeness

Definition

This measurement provides percentage of complete and accurately recorded usage data (usage recorded by BellSouth and usage recorded by other companies and sent to BellSouth for billing) that is processed and transmitted to the CLEC within thirty (30) days of the message recording date. A parity measure is also provided showing completeness of BellSouth messages processed and transmitted via CMDS. BellSouth delivers its own retail usage from recording location to billing location via CMDS as well as delivering billing data to other companies. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the

Exclusions

None

Business Rules

The purpose of these measurements is to demonstrate the level of quality of usage data delivered to the appropriate CLEC. Method of delivery is at the option of the CLEC.

Calculation

Usage Data Delivery Completeness = (a / b) X 100

- a = Total number of Recorded usage records delivered during current month that are within thirty (30) days of the message
- b = Total number of Recorded usage records delivered during the current month

Report Structure

- CLEC Specific
- CLEC Aggregate
- · BellSouth Aggregate
- Region

Data Retained

Relating to CLEC Experience Report Month Record Type	Relating to BellSouth Performance Report Month
- BellSouth Recorded	Record Type
- Non-BellSouth Recorded	

SQM Disaggregation - Analog/Benchmark

SQM Level of Disaggregation	
V VCAIOU	SQM Analog/Benchmark
	• CLEC Usage Data Delivery Completeness is composite
SEEM Measure	to BellSouth Usage Data Delivery Completeness

		SEEM Measure
No	Tier I	
	Tier II	

SEEM Disaggregation Not Applicable	SEEM Analog/Benchmark Not Applicable

B5: Usage Data Delivery Timeliness

Definition

This measurement provides a percentage of recorded usage data (usage recorded by BellSouth and usage recorded by other companies and sent to BellSouth for billing) that is delivered to the appropriate CLEC within six (6) calendar days from the receipt of the initial recording. A parity measure is also provided showing timeliness of BellSouth messages processed and transmitted via CMDS. Timeliness, Completeness and Mean Time to Deliver Usage measures are reported on the same report.

Exclusions

None

Business Rules

The purpose of this measurement is to demonstrate the level of timeliness for processing and transmission of usage data delivered to the appropriate CLEC. The usage data will be mechanically transmitted or mailed to the CLEC data processing center once daily. The Timeliness interval of usage recorded by other companies is measured from the date BellSouth receives the records to the date BellSouth distributes to the CLEC. Method of delivery is at the option of the CLEC.

Calculation

Usage Data Delivery Timeliness Current month = (a / b) X 100

- a = Total number of usage records sent within six (6) calendar days from initial recording/receipt
- b = Total number of usage records sent

Report Structure

- CLEC Aggregate
- CLEC Specific
- BellSouth Aggregate
- Region

Data Retained

Relating to CLEC Experience Report Month	Relating to BellSouth Performance
Record Type	Report Month
- BellSouth Recorded	Record Type
- Non-BellSouth Recorded	

SQM Disaggregation - Analog/Benchmark

	SQM Level of Disaggregation	
	* Kegion	SQM Analog/Benchmark
Ĺ		CLEC Usage Data Delivery Timeliness is comparable to BellSouth Usage Data Delivery Timeliness
S	EEM Measure	So Democry Timenness

		SEEM Measure
No	Tier I	
	Tier II	
_		

SEEM Disaggregation		
Not Applicable	SEEM Analog/Benchmark	
Not Applicable	OLLIN Allalog/Benchmark	1
• Not At	plicable	